

## 1. Management & Organization

### 1.1 IFM-GEOMAR Overview

The Leibniz Institute of Marine Sciences at the University Kiel (IFM-GEOMAR) was founded January 1, 2004 through a merger of the former Institute for Marine Research (IfM) and the GEOMAR Research Centre for Marine Geosciences.

The mission of IFM-GEOMAR is **to investigate the physical, chemical, biological, and geological processes in the ocean and their interaction with the seafloor and the atmosphere.**

The main research topics are grouped in four areas: Ocean Circulation and Climate Dynamics, Marine Biogeochemistry, Marine Ecology, and Dynamics of the Ocean Floor. In addition, there are two major interdisciplinary Collaborative Research Centres (SFBs) funded by the German Science Foundation (DFG).

The institute is an independent foundation under public law, supervised by a "Board of Governors" which consists of representatives of State and Federal Governments, the University of Kiel, a representative from another research institution, a representative from private industry and the chairman of the institute's Scientific Advisory Board (SAB). The SAB of IFM-GEOMAR is an internationally constituted advisory group with leading scientists representing all major research disciplines found at the institute. An overview of the organizational structure of the institute is shown in Figure 1 (page 4). By the end of 2006, IFM-GEOMAR had about 413 employees, including 238 scientists and 175 service and technical staff. About 145 scientists and 22 service and technical staff were funded through research grants.

The Leibniz Institute of Marine Sciences is associated with the University of Kiel and contributes substantially to undergraduate and graduate teaching in the following fields: oceanography, meteorology, biological oceanography, fishery biology, marine chemistry, marine geology, geophysics, mineralogy and igneous petrology/geochemistry.

The involvement of diploma and Ph.D. students in research projects is an important element of IFM-GEOMAR research. The total number of students at IFM-GEOMAR is currently about 300. Through training of students and young scientists from foreign countries, the institute has contributed significantly to the development of infrastructures for marine science in many regions of the world. Several international study programmes have been implemented in recent years.

Much of the institute's research work contributes to international research efforts such as the World Climate Research Programme (WCRP), the International Geosphere-Biosphere Programme (IGBP) or the Integrated Ocean Drilling Programme (IODP). Emphasis is on a better understanding of the ocean's past and present role for climate variations and air-sea interactions, the role of biogeochemical transport and transformations in global change, the response and sensitivity of marine ecosystems to external forcing, gas hydrate research and risk assessment of natural hazards due to plate tectonics.

IFM-GEOMAR scientists have a long tradition of participating in national and international planning and management of large-scale interdisciplinary research programs. This includes programmes such as CLIVAR (Climate Variability and Predictability), BALTEX (Baltic Sea Experiment), SOLAS (Surface Ocean Lower Atmosphere), GLOBEC (Global Ocean Ecosystems Dynamics), IODP, Interridge, and others.

The scientific work of IFM-GEOMAR could not have been maintained without funding of peer-reviewed proposals through the German Science Foundation (DFG), the Federal Ministry of Education and Research (BMBF), the directorates of the European Union (EU) as well as other funding agencies. We would like to express our gratitude to all of those who have supported our research during the past years.

Highlights in this context are the two Collaborative Research Centres (Sonderforschungsbereiche) in which IFM-GEOMAR plays a leading role. Since 1996, DFG has supported SFB 460 on "Dynamics of Thermohaline Circulation Variability". This SFB ended in 2006. SFB 574 on "Fluids and Volatiles in Subduction Zones" that started in 2000, was implemented within the groups of the former GEOMAR and investigates the "subduction factory" and its role for climate feedbacks and natural disasters.

In 2006, IFM-GEOMAR together with six faculties of the University of Kiel, the Institute for the World Economics and the Muthesius School of Arts received funding in the order of 36 Mio. Euros for an excellence cluster "Future Ocean". IFM-GEOMAR will establish four new junior research groups within the cluster and contributes substantially to a number of projects of the cluster.

The results of the institute's research work are generally made available through a wide range of publications. The main emphasis is on peer-reviewed international journals. Increasingly, dissemination of information in electronic form through the internet portal of IFM-GEOMAR ([www.ifm-geomar.de](http://www.ifm-geomar.de)) is used.

In particular in the field of technology development, IFM-GEOMAR cooperates with a number of small and medium-sized enterprises that are active in marine technology and science and are partly founded by former staff members of the institute.

The Leibniz Institute of Marine Sciences is a member of the Leibniz Association (Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz (WGL)) and the Konsortium Deutsche Meeresforschung (KDM).

## 1.2 Organizational Structure (31.12.2006)

### 1. Directorate

The directorate of IFM-GEOMAR consists of the director (chair) and the leaders of the research divisions. Current members of the directorate are:

- **Prof. Dr. P.M. Herzig (Director)**
- Prof. Dr. M. Latif (RD1)
- Prof. Dr. D.W.R. Wallace (RD2)
- Prof. Dr. U. Sommer (RD3)
- Prof. Dr. C.W. Devey (RD4)

### 2. Board of Governors

- **Jost de Jager, Secretary of State, Ministry for Science, Economy and Transportation of the State of Schleswig-Holstein, Kiel (Chair)**
- MinR. R. Ollig, Federal Ministry for Education and Research, Bonn
- Prof. Dr. T. Bauer, Rector, Christian-Albrechts-University, Kiel
- Prof. Dr. J. Grotemeyer, Dean of the Faculty for Mathematics and Natural Sciences, Christian-Albrechts-University, Kiel
- Prof. Dr. H. Graßl, Chair, Scientific Advisory Board, Max-Planck-Institute for Meteorology, Hamburg
- Prof. Dr. J. Thiede, Director, Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven
- Dipl.-Ing. D. Lindenau, Managing director, Lindenau GmbH, Shipyards and Engineering Works, Kiel

#### *Guests with consulting status:*

- Dr. I. Hennings, Representative of the Scientific Staff (staff council)
- Mrs. B. Domeyer, Representative of the Non-scientific Staff (staff council)
- Mrs. B. Schmidt, Representative for Equal Rights
- Dr. B. Roß, Representative of the Ministry for Trade, Commerce, and Transportation of the State of Schleswig-Holstein
- Prof. Dr. P.M. Herzig, Director of IFM-GEOMAR
- Prof. Dr. D.W.R. Wallace, Deputy Director of IFM-GEOMAR
- Prof. Dr. K. Hoernle, Deputy Director of IFM-GEOMAR
- Prof. Dr. U. Riebesell, Chair, Scientific Council

#### Other guests:

- Mr. J. Biel, Managing Director, IHK Kiel
- Mrs. I. Schultheiß, Administrative Chief Officer, IFM-GEOMAR
- Dr. N. Schmidt, Science Coordinator, IFM-GEOMAR
- Dr. A. Villwock, Public Relations and Central Affairs, IFM-GEOMAR

### 3. Scientific Advisory Board

- Prof. Dr. D.L.T. Anderson, European Centre for Medium-Range, Weather Forecasts, Berkshire, UK
- Prof. Dr. E.A. Boyle, Department of Geology and Geophysics, Mass. Institute of Technology, Cambridge, USA
- **Prof. Dr. H. Graßl (Chair), Max-Planck-Institute for Meteorology, Hamburg**
- Prof. Dr. R. Hékinian, IFREMER, Brest, France
- Prof. Dr. N.G. Hogg, WHOI Woods Hole Oceanographic Institution, Physical Oceanography Woods Hole, MA, USA
- Prof. Dr. A.C. Mix, College of Oceanic & Atmospheric Sciences, Oregon State University, Corvallis, USA
- Prof. Dr. Y. Olsen, Norwegian University of Sciences and Technology, Institute of Biology, Trondheim, Norway
- Prof. Dr. J.A. Pearce, Department of Earth Science, Marine Geology and Geochemistry, Cardiff University, UK
- Prof. Dr. K. Richardson, University of Aarhus, Denmark
- Prof. Dr. D. Turner, Chalmers tekniska högskola, Göteborg, Sweden
- Prof. Dr. A. Watts, Department of Earth Sciences University of Oxford, UK
- Prof. Dr. D.H. Welte, Gesellschaft für Integrierte Explorationssysteme mbH, Jülich

### 4. Scientific Council

**Members** (Member / Deputy Member):  
**Prof. Dr. U. Riebesell (Chair), Prof. Dr. E. Flüh (Deputy Chair).**

#### a. Professors:

- W.-C. Dullo / M. Frank
- A. Macke / M. Latif
- M. Visbeck / N.N.
- J. Willebrand / C. Böning
- A. Eisenhauer / K. Wallmann
- A. Körtzinger / D. Wallace
- U. Riebesell / K. Lochte
- A. Oschlies / K. Lochte / D. Wallace
- J. Imhoff / D. Schnack
- M. Wahl / U. Sommer
- K. Hoernle / C. Devey
- J. Behrmann / N.N.

#### b. Assistant Professors and Scientists with "Habilitation":

- FB1 J Reijmer / D. Dommenges
- FB2 J. LaRoche / H. Bange
- FB3 R. Hanel / H.-G. Hoppe
- FB4 E. Flüh / A. Freundt

#### c. Scientific staff:

- FB1: T. Martin / J. Karstensen
- FB2: N.N. / N.N.
- FB3: U. Piatkowski / G. Kraus
- FB4: D. Klaeschen / F. Hauff

## Management & Organization



## IFM-GEOMAR

Leibniz-Institut für Meereswissenschaften  
an der Universität Kiel

### Scientific Advisory Board

Chair: Prof. Dr. Hartmut Grabi

### Board of Governors (Stiftungsrat)

Chair: Jost de Jager  
Ministry of Science, Trade & Commerce, and  
Transportation of the State of Schleswig-Holstein

### Directorate

Prof. Dr. Peter M. Herzig (Director)  
(Ext.: 2800)  
1. Vice Director:  
Prof. Dr. Douglas W. Wallace (Ext.: 4200)  
2. Vice Dir.: Prof. Dr. Kai Hoernle (Ext.: 2642)  
Administrative Chief Officer: Ina Schultheiß (Ext.: 2500)  
+ chairs of research divisions

### Internal Scientific Council

Prof. Dr. Ulf Riebesell  
(Ext.: 4581)

### Staff Council

Chair: Petra Kirschner  
(Ext.: 1645 & 1549)

### Ombudsman

Prof. Dr. K. Lothe (Ext.: 4250)

### Safety Adviser

Dietmar Schmitz (Ext.: 2750)

### Central Affairs & Public Relations

Dr. Andreas Wilmack (Ext.: 2802)

### Science Coordination

Dr. Nicole Schmidt (Ext.: 2803)

### Ocean Circulation and Climate Dynamics

Prof. Dr. Mojib Latif  
(Ext.: 4050)

### Palaeo-Oceanography

Prof. Dr. W.-Chr. Dullo (Ext.: 2215)  
Chemical Palaeo-Oceanography  
Prof. Dr. M. Frank (Ext.: 2218)

### Physical Oceanography

Large-scale Circulation  
Processes and Observing Systems  
N.N. (Ext.:)

### Theory and Modelling

Theoretical Oceanography  
Prof. Dr. J. Willebrand (Ext.: 4000)  
Ocean Modelling  
Prof. Dr. C. Böning (Ext.: 4003)

### Marine Meteorology

Climate Modelling  
Prof. Dr. M. Latif (Ext.: 4050)  
Energy and Water Cycle  
Prof. Dr. A. Macke (Ext.: 4057)  
Ocean-Atmosphere Interactions  
Prof. Dr. D. Donnerget (Ext.: 4056)  
Ocean-Atm Atmosphere  
Interactions  
Prof. Dr. K. Krüger (Ext.: 4062)

### Marine Biogeochemistry

Prof. Dr. Douglas W. Wallace  
(Ext.: 4200)

### Marine Geosystems

Prof. Dr. K. Wilmann (Ext.: 2287)  
Isotope Geochemistry  
Prof. Dr. A. Eisenhauer (Ext.: 2282)

### Chemical Oceanography

Chemical Oceanography  
Prof. Dr. D. W. Wallace (Ext.: 4200)  
Marine Carbon Cycle  
Prof. Dr. A. Körtzinger (Ext.: 4205)

### Biological Oceanography

Planktonology  
Prof. Dr. K. Lochte (Ext.: 4250)  
Biogeochemical Processes  
Prof. Dr. U. Riebesell (Ext.: 4581)  
Molecular Ecology  
Prof. Dr. J. La Roche (Ext.: 4212)

### Biogeochemical Modelling

Prof. Dr. A. Oschlies (Ext.: 1936)

### Marine Ecology

Prof. Dr. Ulrich Sommer  
(Ext.: 4400)

### Experimental Ecology

Food Webs  
Prof. Dr. U. Sommer (Ext.: 4400)  
Benthos Ecology  
Prof. Dr. M. Wahl (Ext.: 4577)

### Marine Microbiology

Marine Microbiology  
Prof. Dr. J. F. Imhoff (Ext.: 4450)  
Marine Microbial Ecology  
Prof. Dr. H.-G. Hoppe (Ext.: 4470)

### Fishery Biology

Fishery Ecology  
Prof. Dr. D. Schnack (Ext.: 4550)  
Aquaculture and Genetics  
Prof. Dr. R. Hanel (Ext.: 4556)

### Dynamics of the Ocean Floor

Prof. Dr. Colin W. Devey  
(Ext.: 2257)

### Geodynamics

Marine Geodynamics  
Prof. Dr. J. Behrmann (Ext.: 2272)  
Marine Tectonics  
N.N. (Ext.:)  
Marine Seismology  
Prof. Dr. H. Kopp (Ext.: 2534)  
Marine Seismics  
Prof. Dr. E. Flin (Ext.: 2328)

### Magmatic and Hydrothermal Systems

Volcanism and Hydrothermalism  
Prof. Dr. C. W. Devey (Ext.: 2257)  
Petrology and Geochemistry  
Prof. Dr. K. Hoernle (Ext.: 2642)

### Administration

Ina Schultheiß  
(Ext.: 2500)

### Controlling

N.N. (Ext.:)

### Budget and Finances

U. Frank-Scholz (Ext.: 1544)

### Central Purchase

J. Taubitz (Ext.: 2525)

### Personnel

M. Röh (Ext.: 2530)

### Internal Services

H. Vogt (Ext.: 1522)

### Central Facilities

### Technology & Logistics Centre

Dr. O. Pfannkuch (ed. head)  
(Ext.: 2115)  
U. Lentz (tech. head) (Ext.: 1600)

### Technical Services

F. Holz (Ext.: 2700)

### Aquarium

Dr. U. Waller (Ext.: 1630)

### Library

B. Schmidt (Ext.: 1559)  
A. Finke (Ext.: 2505)

### Computing Centre

Dr. A. Lehmann (Ext.: 1566)  
Dr. W. Weinreb (Ext.: 2281)

### Sample Repository

Dr. W. Brückmann (Ext.: 2819)

### Research Vessels

Dr. T. J. Müller (Ext.: 4161)  
Dr. K. v. Brockel (Ext.: 4259)

### Sonderforschungsbereiche SFB 460 and SFB 574

SFB 460: Dynamics of Thermohaline Circulation Variability  
SFB 574: Volatiles and Fluids in Subductions Zones

Chair: Prof. Dr. Claus Böning (Ext.: 4005)  
Chair: Prof. Dr. Kai Hoernle (Ext.: 2642)

## Management & Organization

## 2. Human Resources

**Table 2.1**

**Employment positions acc. to sources of support and pay/remuneration grade<sup>1)</sup>**

**- Personnel (financed by institutional and third-party resources) in terms of full-time equivalents as of [reporting date 31.12.2006] -**

	Total number <sup>2), 3)</sup>	Number financed by	
		institutional resources <sup>2)</sup>	third-party resources <sup>2)</sup>
<b>Total</b>	<b>344.1</b>	<b>223.7</b>	<b>120.4</b>
<b>1. Academic and higher management staff</b>	<b>149.0</b>	<b>90.1</b>	<b>58.9</b>
- S (C3, C4, SDV)	20.0	20.0	0.0
- S (W1, C1, C2)	8.0	8.0	0.0
- I / A 16	1.0	1.0	0.0
- Ia / A 15	7.0	5.0	2.0
- Ib / A 14	32.5	32.5	0.0
- IIa / A 13 / III <sup>4)</sup>	80.5	23.6	56.9
<b>2. Doctoral candidates</b>	<b>40.5</b>	<b>0.5</b>	<b>40.0</b>
<b>3. Other staff</b>	<b>154.6</b>	<b>133.1</b>	<b>21.5</b>
- III, IV / A 12, A 11, A 10	42.8	35.8	7.0
- V / A 9, A 8	35.9	31.4	4.5
- VI / A 7	24.0	19.0	5.0
- VII , VIII / A 6, A 5	6.0	6.0	0.0
- Wage brackets, other staff	42.9	37.9	5.0
- Trainees	3.0	3.0	0.0

<sup>1)</sup> Employment positions acc. to BAT or other collective pay agreements for staff which is financed by institutional or third-party resources (incl. trainees and guest scientists, but excluding diploma students, student assistants und contracts for work and services).

<sup>2)</sup> In full time equivalents; correct to one decimal place only

<sup>3)</sup> Values in column 2 („Total number“) for „Total“, „1. Academic and management staff“, „2. Doctoral candidates“ and „3. Other staff“ correspond to the respective values in Table 4.2.

<sup>4)</sup> Employment acc. to BAT III until Diplom degree was conferred.

**Table 2.2**

**Employment positions acc. to organizational units**

**- Personnel (financed by institutional and third-party resources) in terms of full-time equivalents as of [reporting date 31.12.2006] -**

<b>Employment positions</b>	<b>Total</b>	<b>Academic and higher management staff <sup>1</sup></b>	<b>Doctoral candidates<sup>2</sup></b>	<b>Other staff, trainees</b>
<b>Entire establishment</b>	<b>344.1</b>	<b>149.0</b>	<b>40.5</b>	<b>154.6</b>
<b>Research Division 1</b>	<b>70.0</b>	41.4	8.0	20.6
<b>Research Division 2</b>	<b>65.3</b>	32.8	12.0	20.6
<b>Research Division 3</b>	<b>55.7</b>	28.8	10.5	16.4
<b>Research Division 4</b>	<b>55.5</b>	35.5	10.0	10.0
<b>Interdisciplinary Project Groups</b>	<b>0.0</b>	0.0	0.0	0.0
<b>Central Facilities (without administration)</b>	<b>60.8</b>	9.6	0.0	51.2
<b>Administration</b>	<b>36.9</b>	1.0	0.0	35.9

<sup>1)</sup> Employment positions acc. to BAT IIa and above (not incl. doctoral candidates)

<sup>2)</sup> Doctoral candidates if financed by institutional or third-party resources

Table 2.3

## Personnel

- In persons (financed by institutional and third-party resources) acc. to pay/remuneration grade as of [reporting date 31.12.2006]

	Total number	Financed by third-party resources		Temporary contracts		Women		Women with temporary contracts	
		Number	% <sup>1)</sup>	Number	% <sup>1)</sup>	Number	% <sup>1)</sup>	Number	% <sup>1), 2)</sup>
<b>Total</b>	<b>413</b>	<b>167</b>	<b>40.4%</b>	<b>199</b>	<b>48.2%</b>	<b>171</b>	<b>41.4%</b>	<b>91</b>	<b>53.2%</b>
<b>1. Academic and higher management staff</b>	<b>158</b>	<b>66</b>	<b>41.8%</b>	<b>84</b>	<b>53.2%</b>	<b>42</b>	<b>26.6%</b>	<b>34</b>	<b>81.0%</b>
- S (C3, C4, SDV)	20	0	0.0%	0	0.0%	1	5.0%	0	0.0%
- S (W1, C1, C2)	8	0	0.0%	5	62.5%	3	37.5%	3	100.0%
- I / A 16	1	0	0.0%	0	0.0%	0	0.0%	0	
- Ia / A 15	7	2	28.6%	2	28.6%	3	42.9%	1	33.3%
- Ib / A 14	33	0	0.0%	1	3.0%	4	12.1%	0	0.0%
- IIa / A 13 / III <sup>3)</sup>	89	64	71.9%	76	85.4%	31	34.8%	30	96.8%
<b>2. Doctoral candidates</b>	<b>80</b>	<b>79</b>	<b>98.8%</b>	<b>80</b>	<b>100.0%</b>	<b>35</b>	<b>43.8%</b>	<b>35</b>	<b>100.0%</b>
<b>3. Other staff</b>	<b>175</b>	<b>22</b>	<b>12.6%</b>	<b>35</b>	<b>20.0%</b>	<b>94</b>	<b>53.7%</b>	<b>22</b>	<b>23.4%</b>
- III, IV / A 12, A 11, A 10	44	7	15.9%	7	15.9%	19	43.2%	5	26.3%
- V / A 9, A 8	42	5	11.9%	7	16.7%	25	59.5%	4	16.0%
- VI / A 7	29	5	17.2%	5	17.2%	21	72.4%	3	14.3%
- VII , VIII / A 6, A 5	8	0	0.0%	7	87.5%	5	62.5%	4	80.0%
- Wage groups, other staff	49	5	10.2%	6	12.2%	22	44.9%	4	18.2%
- Trainees	3	0	0.0%	3	100.0%	2	66.7%	2	100.0%

1) Correct to one decimal place only

2) Women with temporary contracts / number of women

3) One position paid acc. to BAT III until Diplom degree was conferred

**Table 2.4**

**Academic and higher management staff<sup>1)</sup>: age and duration of employment**  
(as of reporting day: 31.12.2006)

	<b>Age groups</b> in years									
	< 30		30 - 39		40 - 49		50 - 59		> 59	
	Total	Wom-en	Total	Wom-en	Total	Wom-en	Total	Wom-en	Total	Wom-en
<b>Total</b>	<b>6</b>	<b>4</b>	<b>59</b>	<b>22</b>	<b>61</b>	<b>15</b>	<b>25</b>	<b>1</b>	<b>7</b>	<b>0</b>
<b>Research Division 1</b>	2	1	17	5	14	3	8	0	3	0
<b>Research Division 2</b>	1	1	11	5	18	4	3	1	2	0
<b>Research Division 3</b>	2	2	14	4	7	4	7	0	1	0
<b>Research Division 4</b>	1	0	15	6	16	2	4	0	1	0
<b>Interdisciplinary Project Groups</b>	0	0	0	0	0	0	0	0	0	0
<b>Central Facilities (without administration)</b>	0	0	1	1	6	2	3	0	0	0
<b>Administration</b>	0	0	1	1	0	0	0	0	0	0
	<b>Duration of employment at establishment</b> in years									
	< 5		5 - 9		10 - 14		15 - 20		> 20	
	Total	Wom-en	Total	Wom-en	Total	Wom-en	Total	Wom-en	Total	Wom-en
<b>Total</b>	<b>94</b>	<b>34</b>	<b>24</b>	<b>4</b>	<b>15</b>	<b>1</b>	<b>18</b>	<b>3</b>	<b>7</b>	<b>0</b>
<b>Research Division 1</b>	25	8	7	0	3	0	5	1	4	0
<b>Research Division 2</b>	18	6	8	3	3	0	5	2	1	0
<b>Research Division 3</b>	21	9	2	0	5	1	1	0	2	0
<b>Research Division 4</b>	23	7	6	1	2	0	6	0	0	0
<b>Interdisciplinary Project Groups</b>	0	0	0	0	0	0	0	0	0	0
<b>Central Facilities (without administration)</b>	6	3	1	0	2	0	1	0	0	0
<b>Administration</b>	1	1	0	0	0	0	0	0	0	0

<sup>1)</sup> Number (persons) paid acc. to BAT IIa and above (not incl. doctoral candidates)



## 3. Budgets & Projects

### 3.1 Budget Tables

<b>Table 3.1: Revenues and expenditures</b>					
(in € 1,000)					
		<b>2006 <sup>1)</sup></b>	<b>2005</b>	<b>2004</b>	<b>2003 <sup>7)</sup></b>
<b>Revenues<sup>2)</sup></b>					
<b>Total</b>		<b>46,874.0</b>	<b>44,585.3</b>	<b>41,826.1</b>	<b>37,457.0</b>
<b>1. Institutional support</b>		<b>30,746.0</b>	<b>28,078.7</b>	<b>26,614.3</b>	<b>23,606.0</b>
	- German "Länder" <sup>3)</sup>	14,731.8	14,217.7	14,626.3	15,641.0
	- Federal Government <sup>3)</sup>	12,314.2	11,868.0	11,988.0	7,965.0
	- Other institutional support <sup>4)</sup>	3,700.0	1,993.0	0.0	0.0
<i>Proportion of institutional support in overall financial resources (in %)</i>		65.5%	63.0%	63.6%	63.0%
<b>2. Third-party resources</b>		<b>16,128.0</b>	<b>16,506.6</b>	<b>15,211.8</b>	<b>13,851.0</b>
<b>2.1 Research support</b>		<b>13,824.0</b>	<b>14,549.1</b>	<b>14,233.9</b>	<b>12,295.7</b>
	- DFG (German Research Foundation)	2,952.0	2,367.2	3,527.0	2,380.2
	- DFG-SFB 406 und 574	3,244.5	2,615.8	4,418.7	3,497.9
	- Federal Government	4,599.5	5,228.3	4,174.1	3,836.6
	- German "Länder"	1,307.3	840.6	193.4	162.0
	- EU project funding	1,620.5	3,397.0	1,513.1	2,092.1
	- Foundations, other research support	100.2	100.2	365.2	260.0
	- Joint projects with the University of Kiel	0.0	0.0	32.3	66.9
<b>2.2 Services, contracts, licences, publications</b>		<b>1,098.4</b>	<b>844.2</b>	<b>792.5</b>	<b>902.4</b>
	- Contracts from private enterprises or public authorities, co-operation with industry	1,098.4	844.2	792.5	902.4
	- Patent exploitation, licences	0.0	0.0	0.0	0.0
	- Publications	0.0	0.0	0.0	0.0
	- Other services	0.0	0.0	0.0	0.0
<b>2.3 Other third-party resources</b>		<b>1,205.6</b>	<b>1,113.3</b>	<b>195.4</b>	<b>652.9</b>
	- Aquarium	71.7	70.4	17.1	27.3
	- Charter for submersibles	51.4	0.0	0.0	0.0
	- Misc. income (interest, etc.)	44.1	48.7	40.0	36.8
	- Rentals	1.1	0.3	3.0	8.6
	- Charter for research vessels	1,036.2	991.0	133.5	568.0
	- Sale of vehicles	0.0	2.9	1.7	12.0
	- Other sales	1.2	0.0	0.1	0.2
<i>Proportion of third-party funding in overall financial resources (in %)</i>		34.5%	37.0%	36.4%	37.0%
<b>3. Withdrawal from reserves and the like</b>		<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

Footnotes see next page.

<b>Table 3.1: Revenues and expenditures (continued)</b>				
(in € 1,000)				
	<b>2006 <sup>1)</sup></b>	<b>2005</b>	<b>2004</b>	<b>2003 <sup>7)</sup></b>
<b>Expenditures</b>				
<b>Total</b>	<b>45,148.2</b>	<b>41,173.0</b>	<b>39,398.0</b>	<b>44,769.8</b>
<b>4.1 Personnel</b>	18,291.7	17,715.6	17,077.0	15,697.0
<b>4.2 Materials, supplies, equipment</b>	16,321.3	17,151.1	14,842.0	23,373.0
<b>4.3 Investments (not incl. building investments)</b>	6,322.7	3,315.0	2,505.0	1,444.0
<b>4.4 Building investments<sup>5)</sup></b>	968.0	375.5	523.0	691.0
<b>4.5 Special Positions (where applicable)<sup>6)</sup></b>	0.0	0.0	0.0	0.0
<b>4.6 Allocations to reserves and the like</b>	0.0	0.0	0.0	0.0
<b>4.7 DFG-SFB 460 and 574</b>	3,244.5	2,615.8	4,418.7	3,497.9
<b>4.8 Joint Projects with the University of Kiel</b>	0.0	0.0	32.3	66.9
<b>4.9 For information only: DFG charges</b>	588.2	565.9	572.0	371.0

<sup>1)</sup> Previous complete calendar year; preliminary data where applicable

<sup>2)</sup> Actual revenues in each year classified by financial resource; not incl. money in transit

<sup>3)</sup> Support according to BLK decision

<sup>4)</sup> Special financing, EU funds: ROV and TV-Grab financed by Federal State of Schleswig-Holstein

<sup>5)</sup> Building investments, multi-annual measures for building maintenance, land acquisition incl. demolition

<sup>6)</sup> Please explain

<sup>7)</sup> In addition charter costs in the year 2003 (8.031,0 T€)

<b>Table 3.2: Project Funding</b>				
(Revenues in € 1,000)				
	<b>2006</b>	<b>2005</b>	<b>2004</b>	<b>2003 <sup>2)</sup></b>
<b>Total</b>	<b>16,128.9</b>	<b>16,506.6</b>	<b>15,211.8</b>	<b>13,851.0</b>
<b>- DFG (German Research Foundation)</b>	2,952.0	2,367.2	3,527.0	2,380.2
<b>- DFG-SFB 460 und 574</b>	3,244.5	2,615.8	4,418.7	3,497.9
<b>- Federal Government</b>	4,599.5	5,228.3	4,174.1	3,836.6
<b>- German "Länder"</b>	1,307.3	840.6	193.4	162.0
<b>- EU project funding</b>	1,620.5	3,397.0	1,513.1	2,092.1
<b>- Foundations, other research support</b>	100.2	100.2	365.3	260.0
<b>- Joint projects with the University of Kiel</b>	0.0	0.0	32.3	66.9
<b>- Services, contracts, licences, publications</b>	1,098.4	844.2	792.5	902.4
<b>- Other third-party resources<sup>1)</sup></b>	1,205.6	1,113.3	195.4	652.9

<sup>1)</sup> For example: donations, member fees, etc.

<sup>2)</sup> Additional: charter costs in the year 2003 (8.031,0 T€)

<b>Table 3.2: Project Funding <sup>1)</sup> (continued)</b> - classified by organisational unit - (Revenues in € 1,000)				
	<b>2006 <sup>2)</sup></b>	<b>2005</b>	<b>2004</b>	<b>2003</b>
<b>RD 1: Ocean Circulation and Climate Dynamics</b>	<b>2,937.7</b>	<b>3,948.9</b>	<b>6,812.1</b>	<b>5,599.5</b>
- DFG (German Research Foundation)	621.3	749.1	968.6	908.5
- DFG-SFB 460 and 574 (CAU) <sup>7)</sup>	1,702.6	968.3	2,668.0	1,592.1
- Federal Government <sup>4)</sup>	353.2	995.2	2,702.5	1,809.9
- German "Länder"	0.0	0.0	41.3	32.8
- EU project funding	72.3	1,062.0	302.7	1,028.1
- Foundations, other research support	0.0	0.0	74.2	84.0
- Joint projects with the University of Kiel (CAU) <sup>7)</sup>	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	188.3	174.3	54.8	144.1
- Other third-party resources <sup>3)</sup>	0.0	0.0	0.0	0.0
<b>RD 2: Marine Biogeochemistry</b>	<b>3,270.0</b>	<b>3,337.7</b>	<b>2,326.2</b>	<b>3,157.5</b>
- DFG (German Research Foundation)	529.7	610.3	637.4	385.0
- DFG-SFB 460 and 574 (CAU) <sup>7)</sup>	380.2	422.1	1,000.9	1,234.6
- Federal Government <sup>5)</sup>	1,127.9	1,039.4	304.8	1,082.9
- German "Länder"	0.0	0.0	0.0	0.0
- EU project funding	1,038.6	1,162.4	166.2	270.5
- Foundations, other research support	0.6	0.6	53.2	0.7
- Joint projects with the University of Kiel (CAU) <sup>7)</sup>	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	163.2	102.9	163.7	183.8
- Other third-party resources <sup>3)</sup>	0.0	0.0	0.0	0.0
<b>RD 3: Marine Ecology</b>	<b>2,628.5</b>	<b>3,121.1</b>	<b>2,447.9</b>	<b>2,260.9</b>
- DFG (German Research Foundation)	217.0	359.1	369.0	379.8
- DFG-SFB 460 and 574 (CAU) <sup>7)</sup>	0.0	0.0	0.0	0.0
- Federal Government	773.1	596.0	768.4	634.2
- German "Länder"	1,204.0	834.7	141.4	128.0
- EU project funding	99.5	931.0	581.1	650.0
- Foundations, other research support	99.6	99.6	237.9	175.3
- Joint projects with the University of Kiel (CAU) <sup>7)</sup>	0.0	0.0	32.3	66.9
- Services, contracts, licences, publications	235.3	300.7	317.8	226.7
- Other third-party resources <sup>3)</sup>	0.0	0.0	0.0	0.0
<b>RD 4: Dynamics of the Ocean Floor</b>	<b>5,570.3</b>	<b>4,776.7</b>	<b>3,227.6</b>	<b>2,170.0</b>
- DFG (German Research Foundation)	1,385.4	541.2	1,383.9	706.9
- DFG-SFB 460 and 574 (CAU) <sup>7)</sup>	1,161.7	1,225.4	749.8	671.2
- Federal Government <sup>6)</sup>	2,218.6	2,549.7	373.5	309.6
- German "Länder"	73.5	0.0	0.0	0.0
- EU project funding	410.1	241.6	463.1	143.5
- Foundations, other research support	0.0	0.0	0.0	0.0
- Joint projects with the University of Kiel (CAU) <sup>7)</sup>	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	321.0	218.8	257.3	338.8
- Other third-party resources <sup>3)</sup>	0.0	0.0	0.0	0.0

**Table 3.2: Project Funding <sup>1)</sup> (continued)**

- classified by organisational unit -

(Revenues in € 1,000)

	<b>2006 <sup>2)</sup></b>	<b>2005</b>	<b>2004</b>	<b>2003</b>
<b>Central Facilities</b>	<b>1,721.5</b>	<b>1,322.2</b>	<b>398.0</b>	<b>663.1</b>
- DFG (German Research Foundation)	198.6	107.5	168.1	0.0
- DFG-SFB 460 and 574 (CAU) <sup>7)</sup>	0.0	0.0	0.0	0.0
- Federal Government	126.7	48.0	24.9	0.0
- German Länder	5.9	5.9	10.7	1.2
- EU project funding	0.0	0.0	0.0	0.0
- Foundations, other research support	0.0	0.0	0.0	0.0
- Joint projects with the University of Kiel (CAU) <sup>7)</sup>	0.0	0.0	0.0	0.0
- Services, contracts, licences, publications	190.6	47.5	-1.1	9.0
- Other third-party resources <sup>3)</sup>	1,205.6	1,113.3	195.4	652.9

<sup>1)</sup> Actual expenditure in each year classified by financial resource

<sup>2)</sup> Previous complete calendar year; preliminary data where applicable

<sup>3)</sup> For example: donations, member fees etc.; specify data if relevant.

<sup>4)</sup> Total sums excluding charter costs RV "Sonne" in the year 2003 (2,877.5 k€)

<sup>5)</sup> Total sums excluding charter costs RV "Sonne" in the year 2003 (901.7 k€)

<sup>6)</sup> Total sums excluding charter costs RV "Sonne" in the year 2003 (4,251.9 k€)

<sup>7)</sup> Grant/accountancy: Christian-Albrechts-University (CAU), Kiel

3.2 Projects

**Projects - Research Division 1: Ocean Circulation and Climate Dynamics (without SFB)**

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
1	446TAI 113/33/0-1, DFG Gastforscher	Vereinbarung über wissenschaftliche Zusammenarbeit zwischen der Deutschen Forschungsgemeinschaft und dem National Science Council (NSC). Kooperationsprojekt: "Scale Interactions in a Coupled Climate Model"	DFG	Dr. Keenlyside	01.01.2006 - 31.12.2007	2.080,00
2	Ba 1367/6 -1+2, LIONS	Last Interglacial Ocean of the Nordic Seas	DFG	Dr. Bauch	01.01.2005 - 31.07.2007	128.900,00
3	Ba 1367/6-3, LIONS 2	Last Interglacial Ocean of the Nordic Sea	DFG	Dr. Bauch	01.05.2006 - 31.10.2007	104.017,00
4	BA 1367/8-1, PAINTER	Past Interglacial Temperature Regimes (PAINTER): Marine isotope 11 in the NE-Atlantic sector	DFG	Dr. Bauch	01.11.2006 - 31.10.2008	148.100,00
5	Bo 907/2-2	Numerische Ozeanmodellierung zur Untersuchung der Rolle des Agulhassystems für die Dynamik niederfrequenter Schwankungen der großräumigen Strömungen im Atlantik	DFG	Dr. Zenk	01.01.2006 - 30.04.2008	124.350,00
6	BO 907/3-1	Combined Ocean-Geodetic Analysis of Global and Regional Ocean Mass-, and Freshwater Transport Divergences	DFG	Prof. Böning	01.10.2006 - 30.09.2008	72.000,00
7	Br 2286/1-1, Meteor-Reise 68	Ozeanographie, Ozean- und Atmosphärenchemie Koordinatorantrag . Barbados-Recife-Mindelo-Las Palmas	DFG	PD Dr. Brandt	01.01.2006 - 31.12.2006	202.510,00
8	De 1369/1-1, DFG-Nachwuchsgruppe	Antrag im Rahmen des Emmy Noether-Programms: Diapyrnische Vermischungsprozesse in den Auftriebsgebieten des tropischen Atlantiks.	DFG	Dr. Dengler	01.01.2006 - 31.12.2007	365.590,00
9	DE 1369/3-1, MUMP	Prozessstudie zum Auftrieb vor Mauritien Mittel für FS Poseidon Reise P347	DFG	Dr. Dengler	01.12.2006 - 30.11.2007	19.629,00
10	Du 129/33-1, Leibniz Preis Dullo	Leibniz Preis	DFG	Prof. Dullo	30.06.2002 - 31.05.2007	1.550.000,00
11	DU 129/34-2, Moundforce 2	Forcing of carbonate mounds and deep water coral reefs along the NW European continental margin	DFG	Prof. Dullo	01.06.2005 - 31.03.2007	70.050,00
12	Du 129/372-2, TRISTAN	Temperatur-Rekonstruktion aus der Isotopen-Signatur von Tiefwasserkorallen des Atlantik und der Nordsee	DFG	Prof. Dullo	01.07.2005 - 30.06.2007	141.600,00
13	ED 159/2-1, ACC-EDDIES	Wirbelgetriebene Transporte im Antarktischen Zirkumpolarstrom	DFG	Dr. Eden	01.08.2006 - 31.07.2008	65.700,00
14	Ha 2891/5-2, Milankovitch Cydes 2	Changes or the orbital (Milankovitch) parameters and their influence on paleoclimate, paleoceanology and sedimentology during times of global warming	DFG	Prof. Dullo	01.07.2005 - 30.06.2006	65.800,00
15	Nu 60/14-1, Indonesian Gateway	The late Miocene to Pliocene constriction of the Indonesian Gateway and its impact on ocean circulation and climate	DFG	Dr. Nürnberg	01.08.2006 - 31.07.2008	103.400,00
16	OS 175/3-1, Phytoplanktonwachstum	Modellgestützte Untersuchungen der Bedeutung von Eisen für das Phytonplanktonwachstum	DFG	PD Dr. Oeschies	01.03.2004 - 28.02.2006	55.500,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
17	Scho 168/30-1, subtropisch-tropische Zelle	Zirkulation der flachen thermohalinen subtropisch-tropischen Zelle des Atlantiks	DFG	Prof. Schott	01.02.2004 - 31.12.2007	273.273,00
18	Scho 168/30-2, Tropischer Atlantik	Zirkulation der flachen thermohalinen subtropisch-tropischen Zelle des Atlantik	DFG	Prof. Schott	01.01.2006 - 31.12.2006	39.400,00
19	Scho 168/31-1, Pazifik	Variabilität und Klima-Effekte der tropisch-subtropischen Zirkulation des Pazifiks	DFG	Prof. Schott	01.02.2006 - 31.01.2008	132.198,00
20	SP 526/3-1, Arctic Freshwater	The impact of freshwater and brines from Arctic shelf regions on the transformation of water along the Arctic Ocean continental margin.	DFG	Dr. Spielhagen	01.09.2006 - 30.08.2008	90.000,00
21	Ti 240/14-1, Late Micene Time sclae	Development of an orbitally tuned Late Micene time scale (5-12 Ma)	DFG	Dr. Tiedemann	01.07.2004 - 30.06.2006	115.400,00
22	VI 403/1-1	Combined Ocean-Geodetic Analysis of Global and Regional Ocean Mass-, and Freshwater Transport Divergences	DFG	Prof. Visbeck	01.10.2006 - 30.09.2008	71.000,00
23	VO 687/8-1, Spätkreidezeitl. Klimaschwankungen	Kurzzeitliche Klimaschwankungen während des Treibhausklimas der späten Kreide - Ursachen und Auswirkungen	DFG	Dr. Voigt	01.11.2006 - 31.10.2009	28.000,00
24	We 4206/1-1Seasonal transport dynamics	Seasonal Transport Dynamics along Siberian continental margins (TOPIC)	DFG	Dr. Wegener	01.05.2006 - 30.04.2008	135.681,00
25	03 CIE 003	CIESM-Beitrag 03-05: Internationale Kommission für die wissenschaftliche Erforschung des Mittelmeeres	BMBF	Prof. Dullo	01.11.2003 - 31.12.2008	302.911,12
26	03 G 0589 A Permafrost	Permafrost (Laptev See): Verbundprojekt System Laptev See Permafrost; Prozessstudien zur Dynamik des submarinen Permafrostes in der Laptev See: TP 1	BMBF	Dr. Kassens	01.07.2003 - 31.08.2006	1.266.818,00
27	03F0367A, ARGO- TROPAT	Verbundprojekt: ARGO; Vorhaben: Untersuchungen zu Zirkulation und Wassermassen-Anomalien mit profilierenden Floats im tropischen Atlantik, ARGO-TROPAT	BMBF	Dr. Fischer	01.01.2004 - 31.12.2007	1.101.177,00
28	03F0443B, Nordatlantik AP1.1	NORDATLANTIK: Die Bedeutung des Süßwasserhaushaltes für die zukünftige Entwicklung der thermohal. Zirk., Die Rolle des äquat. Atlantiks als Schlüsselreg. für Klimaschwankungen im atl. Raum; Schwankungen der tiefen Randstromzirk. am Ausgang der Labradorsee	BMBF	Prof. Latif	01.08.2006 - 31.10.2009	180.620,00
29	03F0443B, Nordatlantik AP2.2	NORDATLANTIK: siehe Nr. 28	BMBF	Prof. Visbeck	01.08.2006 - 31.10.2009	221.488,00
30	03F0443B, Nordatlantik AP3.2	NORDATLANTIK: siehe Nr. 28	BMBF	Prof. Böning	01.08.2006 - 31.10.2009	244.740,00
31	03F0443B, Nordatlantik AP 1.2	NORDATLANTIK: siehe Nr. 28	BMBF	PD Dr. Brandt	01.08.2006 - 31.10.2009	756.132,00
32	03G0178A SO 178 - KOMEX	SO 178 KOMEX SONNE Expedition: Stoffaustauschprozesse und -bilanzen im Ochotskischen Meer: Wirkungsweise von klimatologischen, ozeanographischen, sedimentären und kruslten-geologischen Steuerungsfaktoren	BMBF	Prof. Dullo	01.06.2004 - 31.05.2006	214.874,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
33	KALMAR, Leitantrag	KALMAR - Kurile-Kamchatka an Aleuten Marginal Sea-Island Systems: Leitantrag: Kurilen Kamchatka Rekonstruktion der spätquartären Klima-und Umweltentwicklung	BMBF	Prof. Dullo	01.10.2006 - 30.09.2009	662.444,00
34	OSL III	Forschungsaufenthalt Gastwissenschaftler	BMBF	Dr. Kassens	01.03.2005 - 29.02.2008	74.016,00
35	RUS 06/004 IMPETUS	IMPETUS-Deutsch-Russisches Kompetenznetzwerk in der Meeresforschung, Internationale Zusammenarbeit in Bildung und Forschung mit Russland	BMBF	Dr. Kassens	15.04.2006 - 31.03.2009	218.906,00
36	RUS 06/A04 Weiterentw. OSL	Konzept zur Weiterentwicklung des Otto-Schmidt-Labors in St. Petersburg	BMBF	Dr. Kassens	01.03.2006 - 31.10.2006	21.500,00
37	PPP Finnland D/05/51654	Auftriebsdynamik in der Ostsee und der potentielle Einfluss von Auf- und Abtrieb auf das Ökosystem Ostsee. Personenaustausch mit Finnland	DAAD	Dr. Lehmann	01.01.2006 - 31.12.2007	2.884,00
38	Workshop "CarboNordic"	Starthilfe-Workshop im Sommer 2006 zur Vorbereitung des internationalen Praktikantenaustausches bzw. Schüleraustausches für naturwissenschaftliche Gacharbeiten	Soz. Ministerium	Dr. Dengg	01.06.2006 -	4.636,00
39	AMMA TP1	AMMA: African Monsoon Multidisciplinary Analysis	EU	Prof. Latif	01.01.2005 - 31.12.2009	125.700,00
40	AMMA TP2	AMMA: African Monsoon Multidisciplinary Analysis	EU	PD Dr. Brandt	01.01.2005 - 31.12.2009	132.300,00
41	CarboOcean TP 3, 511176-2	Marine carbon sources and sinks assessment	EU	Prof. Send	01.01.2005 - 31.12.2009	187.400,00
42	DYNAMITE GOCE 003903 TP 1	"Integrating and strengthening the European Research Area" Understanding the dynamics of the Coupled Climate System	EU	Prof. Latif	01.03.2005 - 28.02.2008	157.128,00
43	DYNAMITE GOCE 003903 TP 2	"Integrating and strengthening the European Research Area" Understanding the dynamics of the Coupled Climate System	EU	Dr. Eden	01.03.2005 - 28.02.2008	157.128,00
44	Ensembles	ENSEMBLE-based Predictions of Climate Changes and their Impacts	EU	Prof. Latif	01.09.2004 - 31.08.2009	403.074,00
45	EVK2-CT-2002-00153	Model and Observations Test Climate Feedbacks (MOTIF)	EU	Prof. Latif	01.02.2003 - 31.01.2006	176.194,00
46	EVK3-CT-2002-00075, MFSTEP	Mediterranean ocean Forecasting System: Toward Environmental Predictions	EU	Prof. Send	01.03.2003 - 28.02.2006	269.052,00
47	EVK3-CT-2002-80012, OMARC	Ocean Margin Research Consortium	EU	Prof. Dullo	01.02.2003 - 31.01.2006	30.034,00
48	IPY-Care	Climate of the Arctic and its Role for Europe (CARE) - a European component or the International Polar Year	EU	Dr. Spielhagen	01.01.2006 - 30.03.2007	20.000,00
49	SIP3-CT2003-502885, MERSEA WP3	Marine EnviRonment and Security for the European Area	EU	Prof. Send	01.04.2004 - 31.03.2008	512.142,00
50	SIP3-CT2003-502885, MERSEA WP7	Marine EnviRonment and Security for the European Area	EU	PD Dr. Oschlies	01.04.2004 - 31.03.2008	266.760,00



No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
51	Stipendium Henry-Edwards	Stipendium Henry-Edwards, Aneurin Betreuungszuschuss	AvH	Dr. Karstensen	01.11.2006 -	240,00
52	32.5.8051.0058.0	NaT - Working Meeresforschung.	Robert Bosch Stfg.	Prof. Dullo	01.04.2003 - 31.03.2007	80.900,01
53	INTAS 03-51-6682	Arctic Environments: The protected areas of the Lena Delta and New Siberian Islands - Past and Present Developments	INTAS	Dr. Bauch	01.08.2006 - 31.10.2007	16.482,00
54	European Weather NATO, Brüssel	Impact of the North Atlantic Thermohaline Circulation on Weather Zusammenarbeit mit Russland	Sonstige	Prof. Latif	01.08.2006 -	14.500,00
55	Frühwarnsysteme	Frühwarnsysteme für globale Klimaveränderungen und ihre historische Dokumentation in natürlichen Klimaarchiven hier: Sachmittelverwaltung aufgrund Kooperationsvereinbarung AWI, IFM-GEOMAR und Akademie	Sonstige	Dr. Spielhagen	01.06.2005 - 31.12.2007	32.970,00
						11.959.328,13

### Projects - Research Division 1: Ocean Circulation and Climate Dynamics (SFB only)

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
1	TP A1	Overflow und Vermischung in der Irmingersee	DFG-SFB460	Prof. Käse	01.07.1996 - 31.12.2006	784.946,04
2	TP A1	Overflow und Vermischung in der Irmingersee	DFG-SFB460	Prof. Send	01.07.1996 - 31.12.2006	114.642,37
3	TP A2	Tiefe Konvektion - Variabilität und Relevanz für das marine CO <sub>2</sub> -System (Prozessstudie Labradorsee)	DFG-SFB460	Prof. Send	01.07.1996 - 31.12.2006	919.884,65
4	TP A4	Schwankungen von Wassermassenverteilung und Zirkulation im westlichen Becken des subpolaren Nordatlantiks	DFG-SFB460	Prof. Böning / Dr. Fischer	01.07.1996 - 31.12.2006	1.902.314,77
5	TP A6	Modellierung thermohaliner Prozesse im subpolaren Nordatlantik und ihrer Bedeutung für dekadische Zirkulationsschwankungen	DFG-SFB460	Prof. Böning / Prof. Willebrand	01.07.1996 - 31.12.2006	1.002.585,03
6	TP A7	Variabilität von Wassermassentransformation und Zirkulation im zentralen und östlichen subpolaren Nordatlantik	DFG-SFB460	Prof. Böning	01.01.2003 - 31.12.2006	353.500,00
7	TP A8	Rolle der Wirbelfelder für die Zirkulation im Nordatlantik und ihre Variabilität	DFG-SFB460	PD Dr. Brandt / Dr. Stramma	01.01.2003 - 31.12.2006	470.400,00
8	TP B1	Wechselwirkung zwischen Ozean und Atmosphäre in verschiedenen Zeitskalen	DFG-SFB460	Prof. Dullo	01.07.1996 - 31.12.2006	945.295,41
9	TP B3	Zwischenjährliche bis dekadische Schwankungen der CO <sub>2</sub> -Aufnahme im Nordatlantik	DFG-SFB460	Prof. Willebrand / Prof. Oschlies	01.07.1996 - 31.12.2006	985.182,15
10	TP B4	Nachwuchsgruppe "Untersuchung globaler Klimaschwankungen auf der Zeitskala von 100 bis 10000 Jahren"	DFG-SFB460	Dr. Timmermann	01.11.2000 - 31.12.2006	864.745,24



No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
11	TP B5	Einfluss der thermohalinen Zirkulation auf die Athmosphäre über dem nördlichen Atlantik	DFG-SFB460	Prof. Macke	01.01.2003 - 31.12.2006	268.400,00
12	TP B6	Dynamik thermohaliner Zirkulationsschwankungen, Kiel	DFG-SFB460	Prof. Latif	01.06.2003 - 31.12.2006	447.988,00
13	TP Z	Dynamik thermohaliner Zirkulationsschwankungen, Kiel	DFG-SFB460	Prof. Willebrand / Prof. Böning	01.07.1996 - 31.12.2006	2.177.551,61
14	TP A6		DFG-SFB574	Schmidt, S.	01.01.2005 - 30.06.2008	86.400,00
15	TP B2	Fluid-, Sediment- und Methanumsatz an konvergenten Plattenrändern: Die Rolle der Schlammdiapire und Schlammvulkane	DFG-SFB574	Dr. Brückmann	01.01.2001 - 30.06.2008	283.462,00
						11.607.297,27

<sup>1</sup> Total Budget over the complete funding period

### Projects - Research Division 2: Marine Biogeochemistry (without SFB)

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
1	AN 193/2-1	Regional variability in the abundance, type and activity of large particles in the mesopelagic (Zwilight) Zone of the North Atlantic and its link to epipelagic biochemical provinces (M60/5)	DFG	Dr. Antia	01.09.2005 - 31.08.2006	15.987,00
2	BA 1990/7-1, N <sub>2</sub> O im Nordatlantik	Molekulargenetische Charakterisierung der Mikroorganismen der N <sub>2</sub> O Bildung im Nordatlantik	DFG	Dr. Bange	01.09.2005 - 30.11.2006	29.865,00
3	Ba 1990/7-2, N <sub>2</sub> O im Nordatlantik	N <sub>2</sub> O im Nordatlantik	DFG	Dr. Bange	01.09.2006 - 31.08.2007	30.150,00
4	Cr 145/5-3, FeSpecies 3	Interconversion of Fe species in the Southern Ocean: Kinetic and thermodynamic properties of iron complexes in seawater	DFG	Dr. Croot	01.08.2006 - 31.07.2007	34.000,00
5	Cr 145/4-2, Acidis 2	Ca acidic polysaccharides exuded by diatoms fundtion as iron ligands, increasing the iron availability for diatoms.	DFG	Dr. Croot	01.01.2006 - 31.12.2006	120,00
6	Cr 145/5-2, FeSpecies 2	Interconversion of Fe species in the Southern Ocean: Kinetic and thermodynamic properties of iron complexes in seawater	DFG	Dr. Croot	01.09.2005 - 30.06.2006	33.850,00
7	Cr 145/7-1	Dust derived metal spectation in the Atlantic	DFG	Dr. Croot	01.09.2005 - 31.08.2006	17.250,00
8	Ei 272/15-1, Ridge (Ocean Crust)	Ridge (Ocean Crust) - ESL. The Role of High- and Low-Temperature Ocean Crust Alteration for the Marine Calcium Budget	DFG	Prof. Eisenhauer	01.11.2003 - 31.12.2006	67.270,00
9	Ei 272/15-2, CARLA	The Role of High- and Low-Temperature Ocean Crust Alteration for the Marine Calcium Budget	DFG	Prof. Eisenhauer	01.11.2005 - 31.03.2007	34.600,00
10	EI 272/20-2, Casiopeia	FB08: Evaluation of the Ca Isotope System in Carbonate Polymorphs as a new Proxy for Seawater Temperature and Secular of Ca Conventration and Fractionation throughout Earth History	DFG	Prof. Riebesell	15.11.2005 - 14.11.2007	5.467,00
11	EI 272/20-2, Casiopeia	FB08: Evaluation of the Ca Isotope System in Carbonate Polymorphs as a new Proxy for Seawater Temperature and Secular of Ca Conventration and Fractionation throughout Earth History	DFG	Prof. Eisenhauer	15.11.2005 - 14.11.2007	255.812,00
12	He 3512/2-2, Gas hydrat quantification 2	Development of a combined geochemical-geophysical approach for quantification of regional submarine gas hydrate inventories	DFG	Dr. Hensen	01.08.2006 - 31.07.2008	78.550,00
13	Ke 466/1-2, Ridge 2 Methantrans (TOPIC)	Methane transport to the ocean from the Mid-Atlantic Ridge, 7°S to 11°S	DFG	Dr. Keir	01.01.2006 - 31.12.2007	128.475,00
14	Ko 1717/2-1	Surface Ocean Atmosphere Study - Tropischer Atlantik 2006 (2. Deutsche SOLAS-Expedition)	DFG	Prof. Körtzinger	01.06.2006 - 31.12.2006	75.750,00
15	LA 1280/1-1, Meteor-Expedition, östl. Mittelmeer	Nährstoffzyklen im östlichen Mittelmeer	DFG	Prof. LaRoche	01.05.2006 - 31.01.2007	12.114,00
16	Lo 360/8-1 DFG-Senatskommission	Besetzung Sekretariat der DFG-Senatskommission	DFG	Prof. Lochte	01.01.2005 - 31.12.2006	121.000,00
17	Pe 565/5-3	Adaption strategies of Antarctic phytoplankton to persistens iron limitation	DFG	Dr. Peeken	01.08.2005 - 31.07.2006	42.600,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
18	RI 598/2-1, Carbon Partitioning	Temperatur-dependency of carbon partitioning between dissolved and particulate organic matter in a pelagic new production system	DFG	Prof. Riebesell	01.01.2005 - 15.03.2007	139.774,00
19	Ri 598/2-2, Carbon Partitioning	Temperatur-dependency of carbon partitioning between dissolved and particulate organic matter in a pelagic new production system	DFG	Prof. Riebesell	01.11.2006 - 31.10.2009	213.000,00
20	RO 2138/5-1	Characterization of the diazotroph communities in the Subtropical North Atlantic (M60/5)	DFG	Prof. LaRoche	01.09.2005 - 31.12.2006	21.550,00
21	Wa 1434/4-1, Bromoformemissionen	Ozeanische Bromoform Emissionen und ihre Variabilitäten, sowie die Auswirkungen dieser stärksten Quelle organischen Broms auf die Atmosphäre	DFG	Prof. Wallace	01.02.2004 - 31.01.2006	128.900,00
22	03 F 0350 B, FS Eisrand	Koordination der wissenschaftlichen Baubetreuung des eisrandgängigen Forschungsschiffes; Vorhaben: Wissenschaftliche Baubetreuung als Koordinator des Wissenschaftlich-Technischen Fachausschusses (WTZ) des neuen mittelgroßen Eisrand-Forschungsschiffes	BMBF	Dr. v. Bröckel	01.06.2001 - 31.01.2006	119.593,88
23	03 F 0384 1	"Eisrandfähiges Forschungsschiff: Neubau eines mittelgroßen eisrandfähigen Forschungsschiffes" hier: wissenschaftliche und fachliche Betreuung und Unterstützung beim Controlling-Berichtswesen u. Unterstützung des IOW bei Antagstellung eines Anschlussprojektes	BMBF	Dr. v. Bröckel	15.12.2002 - 30.06.2006	33.250,00
24	03 G 0600 D, Comet TP 1	Verbundprojekt: COMET: Kontrollfaktoren der Methanflüsse und ihrer Klimarelevanz in marinen gashydrathaltigen Ökosystemen; Leitantrag; Vorhaben: Untersuchung und Modellierung der Steuerparameter für die Freisetzung und den Umsatz von Methan aus "cold seeps"	BMBF	Dr. Pfannkuche	01.01.2005 - 29.02.2008	889.918,00
25	03 G 0600 D, Comet TP 2	siehe Nr. 22	BMBF	Dr. Rehder	01.01.2005 - 29.02.2008	184.206,00
26	03 G 0600 D, Comet TP 3/Charon	siehe Nr. 22	BMBF	Prof. Eisenhauer	01.01.2005 - 28.02.2008	510.557,00
27	03 G 0600 D, Comet TP 4	siehe Nr. 22	BMBF	Dr. Keir	01.01.2005 - 29.02.2008	297.831,00
28	03 G 0600 D, Comet TP 5	siehe Nr. 22	BMBF	Prof. Wallmann	01.01.2005 - 29.02.2008	191.317,00
29	03 G 0600 D, Comet TP Koordination	siehe Nr. 22	BMBF	Dr. Linke	01.01.2005 - 29.02.2008	244.158,00
30	03F0444C, NICO	Verbundprojekt: Nitratsensor -UV-Nitratsensor für den Einsatz in der Meeresforschung; Algorithmenoptimierung und Antifouling	BMBF	Prof. Körtzinger	01.08.2006 - 31.07.2009	61.789,00
31	03F0447A, MOST, WTZ Deutsch-Israel	WTZ Deutsch-Israel: System Erde: Kombinierte Effekte von angestiegenen Temperaturen und erhöhtem CO <sub>2</sub> auf wichtige aquatische Diazotrophe auf physiologischem, biochemischem und Gen-Expressionslevel	BMBF	Prof. LaRoche	01.08.2006 - 31.07.2009	170.000,00
32	03F0462A, SOPRAN, TP 3.5	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 3.5	BMBF	Prof. Körtzinger	01.11.2006 - 31.12.2009	344.549,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
33	03F0462A, SOPRAN, TP 2.4	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 2.4	BMBF	Prof. Lochte	01.11.2006 - 31.12.2009	135.195,00
34	03F0462A, SOPRAN, TP1.2	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 1.2	BMBF	Prof. LaRoche	01.11.2006 - 31.12.2009	368.149,00
35	03F0462A, SOPRAN, TP3.1	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 3.1	BMBF	Prof. Wallace	01.11.2006 - 31.12.2009	375.709,00
36	03F0462A, SOPRAN, TP3.4	SOPRAN (Surface Ocean Processes in Anthropocene) Ozeanische Oberflächenprozesse im Anthropozän; TP 3.4	BMBF	Dr. Bange	01.11.2006 - 31.12.2009	380.792,00
37	METRO TP5 03G0604B	Verbundprojekt: GHII: METRO; Vorhaben: Teilprojekte 4 und 5: Methan und Methanhydrate im Schwarzen Meer: Strukturelle Analyse, Quantifizierung und Impact eines dynamischen Methan-reservoirs	BMBF	Prof. Wallmann	01.10.2004 - 31.12.2007	297.097,00
38	Enzymsysteme	Molekulare Ökologie und Monitoring der Enzymsysteme Hydrogenase und Nitrogenase im Plankton von Nordatlantik, Nord- und Ostsee	MWV	Prof. LaRoche	01.11.2006 - 30.10.2008	85.500,00
39	Gashydrate + Mineralien aus dem Meer	Erstellung von Konzepten und Antragsentwürfen in den Bereichen Gashydrate und mineralischen Rohstoffen aus dem Meer	MWV	Prof. Wallmann	01.12.2006 - 31.12.2006	29.800,00
40	018419 -OOMPH	Organics over the Ocean Modifying Particles in both Hemispheres	EU	Prof. Lochte I	01.09.2005 - 31.08.2008	203.400,00
41	018419 -OOMPH	Organics over the Ocean Modifying Particles in both Hemispheres	EU	Prof. Riebesell	01.09.2005 - 31.08.2008	135.600,00
42	037090 TENATSO	Tropical Eastern North Atlantic Time-Series Observatory (Specific Support Action) Coordinator	EU	Prof. Wallace	01.10.2006 - 30.09.2008	112.100,00
43	CarboOcean TP 1, 511176-2	Marine carbon sources and sinks assessment	EU	Prof. Wallace / Prof. Körtzinger	01.01.2005 - 31.12.2009	241.100,00
44	CarboOcean TP 2, 511176-2	Marine carbon sources and sinks assessment	EU	Prof. Oschlies	01.01.2005 - 31.12.2009	111.500,00
45	CarboOcean TP 4, 511176-2	Marine carbon sources and sinks assessment	EU	Prof. Wallace	01.01.2005 - 31.12.2009	204.100,00
46	CarboOcean TP 5, 511176-2	Marine carbon sources and sinks assessment	EU	Prof. Körtzinger	01.01.2005 - 31.12.2009	207.500,00
47	CarboOcean TP 6, 511176-2	Marine carbon sources and sinks assessment	EU	Prof. LaRoche	01.01.2005 - 31.12.2009	48.200,00
48	CarboOcean TP 7, 511176-2	Marine carbon sources and sinks assessment	EU	Prof. Riebesell	01.01.2005 - 31.12.2009	230.000,00
49	CarboOcean TP 8, 511176-2	Marine carbon sources and sinks assessment	EU	Dr. Rehder	01.01.2005 - 31.12.2009	154.800,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
50	CRIMEA TP 2 EVK3-CT2002-00162 CRIMEA	CRIMEA - Contribution of high-intensity gas seeps in the Black Sea of methane emission to the atmosphere	EU	Dr. Greinert	01.02.2003 - 31.01.2006	222.172,00
51	Diatomics LSH-CT-2004-512035	Understanding Diatom Biology by Functional Genomics Approaches	EU	Prof. LaRoche	01.01.2005 - 31.12.2007	101.040,00
52	Diatomics LSH-CT-2004-512035	Understanding Diatom Biology by Functional Genomics Approaches	EU	Prof. LaRoche / Prof. Riebesell	01.01.2005 - 31.12.2007	101.040,00
53	ESONIM	Integrating and strengthening the European Research Area European Seafloor Observatory Network Implementation Model	EU	Dr. Pfannkuche	01.11.2005 - 30.04.2007	34.560,00
54	EURO OCEANS TP1	EUROpean Network of excellence for OCEan Ecosystems ANalysiS (EUR-OCEANS)	EU	Prof. Lochte	01.01.2005 - 31.12.2008	148.500,00
55	GOCE-CT-2005-511234-1 HERMES	Hotspot Ecosystem Research on the Margins Seas (HERMES)	EU	Dr. Pfannkuche	01.04.2005 - 31.03.2009	537.240,00
56	MOIF-CT-2006-021604 Marie Curie -S. Mau-	Marine CH <sub>4</sub> oxidation, The role water column methane oxidation in the global carbon budget - Marie Curie Outgoing Fellowships	EU	Dr. Rehder	01.05.2006 - 30.04.2009	260.570,72
57	SEA-TEST (InterMareC) INTERREG	Einrichtung einer Dauerstation in der Eckernförder Bucht (Glasfasertechnologie)	EU	Dr. Linke	01.11.2005 - 30.09.2007	55.000,00
58	Hydrate	Beratertätigkeiten, Unterrichtung Hydratforschung, -bildung und -förderung als zukünftige Erdgasressource Auftragsforschung	E.ON	Dr. Rehder	01.08.2004 -	25.000,00
59	Deutsch-israelische Koop.	Personalmittel aus BMBF-Bewilligung	AWI	Prof. Riebesell	01.07.2004 - 30.06.2006	81.180,00
60	INTERREG IIIA/BI	EU-Gemeinschaftsinitiative INTERREG IIIA f. d. Projekt Biologische Ozeanographie (Aufbau eines gemeinsamen Studienprogramms)	FYNS AMT	Prof. Lochte	01.01.2003 - 31.12.2005	404.750,00
61	Anschubfinanzierung Exzellenzcluster	Anschubfinanzierung Exzellenzcluster	Sonstige	Prof. Riebesell	01.06.2006 - 31.12.2006	38.860,00
62	POGO-SCOR Fellowship	Stipendium Ivanice Monteiro	Sonstige	Prof. Wallace	22.09.2006 - 21.12.2006	3.070,00
63	Prototyp Mesokosmen		Sonstige	Prof. Riebesell	01.12.2006 -	50.000,00
64	START - H. Biswas	Aufenthalt von Haimanti Biswas aus Indien für 8 Monate	Sonstige	Prof. Riebesell	01.06.2006 - 31.01.2007	9.800,00
						9.926.577,60

### Projects - Research Division 2: Marine Biogeochemistry (SFB only)

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
1	TP A2	Tiefe Konvektion - Variabilität und Relevanz für das marine CO <sub>2</sub> -System (Prozessstudie Labradorsee)	DFG-SFB460	Prof. Körtzinger	01.07.1996 - 31.12.2006	919.884,65
2	TP A5	Aufnahme und Transportwege des anthropogenen CO <sub>2</sub>	DFG-SFB460	Prof. Wallace / Grootes	01.07.1996 - 31.12.2006	1.208.997,98
3	TP A3/B5	Sedimentdiagenese an aktiven Kontinentalrändern: Akkumulation, Abbau und Export von Volatilen	DFG-SFB574	Prof. Wallmann	01.01.2001 -	641.635,00
4	TP B3	Fluid-, Sediment- und Methanumsatz an konvergenten Plattenrändern: Die Rolle der Schlammdiapire und Schlammvulkane	DFG-SFB574	Dr. Linke	01.01.2001 -	493.624,00
5	TP B6	Fluid sources, timing of release and carbon inventory	DFG-SFB574	Prof. Suess	01.07.2004 - 30.06.2008	116.000,00
6	TP C5	Der Volatilen- und Fluidumsatz an Subduktionszonen und seine Wirkungen auf die globalen Kreisläufe klimarelevanter Elemente und Substanzen	DFG-SFB574	Prof. Wallmann	01.01.2001 - 30.06.2008	334.871,50
						3.715.013,14

<sup>1</sup> Total Budget over the complete funding period

### Projects - Research Division 3: Marine Ecology

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
1	Ab 289/1-1, FRISCA	Untersuchungen Meereskunde, Trophische Interaktionen, Experimentelle Ökologie, Pelagische Ökosysteme	DFG	Dr. Aberle-Malzahn	01.10.2005 - 30.09.2006	25.800,00
2	AB 289/2-1,LITROPE	Der Einfluss von Nährstofflimitationen auf Primär- und Sekundärkonsumenten und die Weitergabe dieses Limitationssignals an höhere trophische Ebenen.	DFG	Dr. Aberle-Malzahn	18.10.2006 - 17.10.2009	77.367,00
3	CL 126/3-1, RECONN2	Resolving Trophodynamic Consequences of Climate Change (RECONN2): Match-mismatch between Secondary and Tertiary Production in the Baltic Sea	DFG	Dr. Clemmesen-Bockelmann	01.11.2004 - 31.10.2006	91.950,00
4	CI 126/3-2, RECONN2	Resolving Trophodynamic Consequence of Climate Change (RECONN 2): Match-mismatch between Secondary and Tertiary Production in the Baltic Sea	DFG	Dr. Clemmesen-Bockelmann	01.11.2006 - 31.10.2009	135.600,00
5	Ei 272/20-2, CASIOPEIA	FB08: Evaluation of the Ca Isotope System in Carbonate Polymorphs as a new Proxy for Seawater Temperature and Secular of Ca Concentration and Fractionation throughout Earth History	DFG	Prof. Wahl	15.11.2005 - 14.11.2007	14.281,00
6	FOR 451/1-1, FOR-Ocean		DFG	Dr. Süling	01.04.2006 - 31.01.2007	41.750,00
7	PI 203/11-3 Tintenfisch-Statolithen 2	Der Einfluss von Umweltfaktoren auf die mikrochemische Zusammensetzung der Statolithen von Sepia officinalis (Cephalopoda: Sepioidea)	DFG	Dr. Piatkowski	01.03.2005 - 28.02.2006	49.447,00
8	SO 145/23-1, Baltic Sea Plankton	Match and mismatch between phyto- and zooplankton during spring succession: an experimental analysis with Baltic Sea Plankton	DFG	Prof. Sommer	01.11.2004 - 31.10.2006	147.460,00
9	SO 145/23-2 Aquashift	Match and mismatch between phyto-and zooplankton during spring succession: an experimental analysis with the Baltic Sea plankton	DFG	Prof. Sommer	01.11.2006 - 30.10.2009	205.380,00
10	SO 145/24-1, Meta-Analysis	Co-ordination and meta-analysis of seasonal patterns	DFG	Prof. Sommer	01.11.2004 - 31.12.2007	113.500,00
11	SO 145/24-2, Meta Analysis 2 AQUASHIFT	AQUASHIFT: co-ordination, meta analysis	DFG	Prof. Sommer	01.11.2006 - 31.10.2009	267.700,00
12	SO 145/25-1, COPEPODEN	Nahrungswahl mariner Copepoden: Besteht ein Switch-Mechanismus zwischen Phytoplankton und Protozoen?	DFG	Prof. Sommer	01.01.2005 - 31.12.2006	79.880,00
13	SO 145/26-1 Diversität+Prozesse in Ökosystemen 2	Ursachen und Auswirkungen genetischer, taxonomischer und funktioneller Diversität in marinen Ökosystemen Forts. Zu Wo 818/1-2	DFG	Prof. Sommer	11.08.2005 - 10.08.2006	39.966,00
14	Wa 708/10-2, Räuber-Beute Beziehung	Interaktionen in Gradienten: Wechselwirkungen zwischen Salinität, Schalenstärke der Miesmuschel und Fraßverhalten brachyurer Krebse.	DFG	Prof. Wahl	20.08.2005 - 19.08.2006	40.600,00
15	Wa 708/13-1, Antifoulingsystem der Miesmuschel	Antifoulingsystem der Miesmuscheln (Mytilidae): Einzelkomponenten, Synergismus und regionale Optimierung	DFG	Prof. Wahl	01.04.2004 - 31.03.2006	16.900,00



No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
16	04HS065 Eel Trace- der Europäische Aal	Habitatselektion des Europäischen Aals	BMBF	Prof. Hanel	01.10.2005 - 31.12.2008	464.725,00
17	Belastung der Küstengewässer, 900- 410	Belastung der Marinestützpunkte/Küstengewässer durch eingeschleppte marine Arten	BMBF	Prof. Wahl	01.06.2005 - 30.11.2007	188.700,00
18	Biotec Marin II, 03F0414B	Verbundprojekt: Marine Naturstoffe V: BIOTEC MARIN II; Vorhaben: Biotechnologisches Potential und molekulargenetische Analyse Schwammassoziiierter Mikroorganismen, Bakterien und Pilze	BMBF	Prof. Imhoff	01.01.2005 - 31.12.2007	438.738,00
19	D/04/34105 PPP Indien	Projektbezogener Personenaustausch mit Indien/India-Germany Joint Research Collaboration - Diversity of purple and green sulfur bacteria	BMBF	Prof. Imhoff	01.06.2006 - 31.12.2006	3.435,00
20	GLOBEC II TP 1, 03F0418B	Verbundprojekt: GLOBEC II; Vorhaben: Verteilung, Wachstum und Sterblichkeiten von Fischbrut unter dem Einfluss physikalischer Prozesse und gekoppelte Modellierung der Trophodynamik und Advektion	BMBF	Prof. Schnack	01.03.2005 - 31.12.2007	589.481,00
21	GLOBEC II TP 2, 03F0418B	siehe Nr. 20.	BMBF	Prof. Sommer	01.03.2005 - 31.12.2007	27.600,00
22	IKYDA D/05/50688, PPP Griechenland	Personenaustausch mit Griechenland	BMBF	Prof. Wahl	01.01.2006 - 31.12.2006	3.000,00
23	Minos Plus 0329946D	Verbundvorhaben MINOS plus: Seehunde in (SIS) - Untersuchungen zur räumlichen und zeitlichen Nutzung der Nordsee durch Seehunde im Zusammenhang mit der Entwicklung von Offshore-Windenergieanlagen (WEA) TP 6	BMBF	Prof. Adelung	01.06.2004 - 31.08.2007	530.385,00
24	Heringslarvensurveys	Durchführung und Auswertung zweier Heringslarvensurveys in der Nordsee und im Englischen Kanal	BfaFi	Prof. Schnack	01.07.1995 -	817.309,03
25	Pers. Austausch India- Germany, Imhoff/ D04/34105	Projektbezogener Personenaustausch mit Indien/India-Germany Joint Research Collaboration 2004/5	DAAD	Prof. Imhoff	01.06.2004 - 31.05.2006	19.676,00
26	Stipendium Agurto		DAAD	Prof. Sommer	01.04.2006 - 30.09.2006	5.964,00
27	FUCUS-Mytilus- Konkurrenz, 131- 0608.46-117	Ermittlung von Ursachen, die in Flachwasserstandorten der westlichen Ostsee entweder zu einer Makroalgen-(Fucus-)Dominanz oder zu einer Mytilus-Dominanz führen.	LANU	Prof. Wahl	01.04.2006 - 31.03.2007	33.000,00
28	Fucus-Ökologie I 0608.46-83	Abhängigkeit der Photosyntheseleitung, des Wachstums und des Überlebens von <i>Fucus vesiculosus</i> von Salzgehalt, Licht und Tiefe	LANU	Prof. Wahl	01.04.2005 - 31.12.2006	31.000,00
29	GRACILARIA Invasion, 131-0608.46-114	Ermittlung der Verbreitung von <i>Gracilaria Vermiculophylla</i>	LANU	Prof. Wahl	01.03.2006 - 31.12.2007	24.500,00
30	Künstliche Riffe 0606.46-81	Untersuchungen des künstlichen Steinriffs bei Falckenstein	LANU	Prof. Wahl	01.06.2005 - 14.09.2006	19.300,00



No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
31	Langzeit Algenmonitoring 131- 0608-46-68	Betreuung der für das LANU eingerichteten Ostsee- Überwachungsstellen in Damp, in der Orther Bucht und nahe Maasholm	LANU	Prof. Wahl	01.12.2004 - 30.11.2007	36.000,00
32	LANU 133 - 0608.46-144, Küstensanierungs- workshop	Workshop: Sanierung von Küstengewässern (Schwerpunkt Ostsee) im Oktober 2006	LANU	Dr. Rumohr	01.10.2006 - 31.03.2007	5.900,00
33	LASHPplus 0608.46- 80	Einrichtung von zwei Wasserkörpern der Ostsee Monitoringstationen für Hartbodenflora und -fauna	LANU	Prof. Wahl	01.04.2005 -	15.000,00
34	Makrophyten- Arteninventar	Erstellung taxonomischer Literatur über potentiell in der äußeren S-H. Ostsee vorkommende Makroalgen.	LANU	Prof. Wahl	01.10.2006 - 30.11.2007	47.000,00
35	Planktonproben 2006, 131-0608.46-136	Mikroskopische Untersuchungen von 300 Planktonproben	LANU	Prof. Sommer	01.06.2006 - 30.11.2006	23.100,00
36	Sanierung durch Kultur	Ermittlung inwieweit die Kultivierung und Entnahme von marinen Orgasmen (z.B. Makroalgen, Miesmuscheln) in der S-H.- Ostsee nennenswert zur Reduktion des Nährstoffüberschusses beitragen kann.	LANU	Prof. Wahl	01.10.2006 - 30.10.2007	28.400,00
37	KiWIZ	Zentrum für Marine Wirkstoffforschung im IFM-GEOMAR: Stärkung der Position mariner Biotechnologien in Schleswig-Holstein.	MWV	Prof. Imhoff	01.10.2005 - 31.12.2007	2.700.000,00
38	ECASA 00654 (SPP8)	Ecosystem Approach for Sustainable Aquaculture	EU	Prof. Schnack	01.12.2004 - 30.11.2007	166.800,00
39	EURO OCEANS TP2	EUROpean Network of excellence for OCean Ecosystems ANALySiS (EUR-OCEANS)	EU	Prof. Sommer	01.01.2005 - 31.12.2008	8.500,00
40	EVR1-CT2002-2001; EUROCAT	The Catalogue of Life: Biodiversity Resource and e-Science Gateway (thematic network)	EU	Dr. Froese	01.02.2003 - 31.01.2006	27.120,00
41	GOCE-CT2003- 505446, MARBEFF	Marine Biodiversity and Ecosystem Functioning	EU	Dr. Piatkowski	01.02.2004 - 31.01.2009	101.444,00
42	INCOFISH (003739)	Integrating Multiple Demands on Coastal Zones with Emphasis on Aquatic Ecosystems and Fisheries (INCOFISH), 6. RP.	EU	Dr. Froese	01.05.2005 - 30.04.2008	1.127.800,00
43	Lengfellner Eur- Oceans	eingeworbene Reisemittel	EU	Lengfellner	01.11.2006 -	500,00
44	Meerbarbe (FishTrace)	Improve red mullets (Mullus surmuletus) population differentiation in European waters using FishTrace	EU	Prof. Hanel	01.09.2005 - 31.08.2006	7.000,00
45	PROTECT 513670 SSP8	Marine Protected areas as a tool for ecosystem conservation and fisheries management Programm: Integrated and strengthening the European Research Area	EU	Prof. Schnack	01.01.2005 - 30.06.2008	124.210,00
46	Q5RS-2002-00813, CODYSSEY	Cod spatial dynamics and vertical movements in european waters and implication in fisheries management	EU	Prof. Schnack	01.10.2002 - 30.09.2006	189.407,00
47	SSP8-CT-2003- 502482 BECAUSE	Critical Interactions BETWEEN Species and their Implication for a PreCAUTIONary FISheries Management in a variable Environment-a a Modelling Approach	EU	Prof. Schnack	01.03.2004 - 28.02.2007	403.870,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
48	Uncover	Understanding the mechanisms of stock recovery	EU	Dr. Kraus	01.03.2006 - 28.02.2010	240.882,00
49	Untoxische Repellien	Unterstützung bei der Identifizierung von Substanzen aus marinen Organismen zur Verhinderung der Adhäsion von Mikroorganismen.	Fa. Henkel	Prof. Wahl	01.05.2005 - 30.04.2007	126.000,00
50	Stipendium S. Dobretsov	Stipendium Sergey Dobretsov, 12 Monate	AvH	Prof. Wahl	01.04.2006 - 31.03.2007	27.600,00
51	Zuschuss Stipendiaten	Betreuungszuschuss Stipendiaten: Maya Mitowa	AvH	Prof. Imhoff	01.12.2006 -	160,00
52	Antifraßverteidigung	Kontrollfaktoren des Makroalgenvorkommens in deutschen in deutschen Küstengewässern: Regulation der Antifraßverteidigung und Klimaveränderung	DBU	Prof. Wahl	01.07.2004 - 30.06.2005	3.000,00
53	Stipendium A. Bischoff	DBU Stipendium für Adrian Bischoff. Thema: "Reduzierung der nicht genutzten Feststofffrachten geschlossener Aquakultur-Kreislaufsysteme durch detritivore Organismen"	DBU	Dr. Waller	01.01.2004 - 31.12.2006	4.000,00
54	GAME II 04-204	GAME -Aufbau eines Studierendenaustauschprogramms, das im Rahmen des internationalen Forschungs-Verbundprojektes GAME des Instituts für Meereskunde an der Universität Kiel verankert werden soll.	Stiftung Mercator	Prof. Wahl	01.10.2005 - 31.01.2009	582.639,00
55	I-732-54.8/2002, Phytoplankton grow	Phytoplankton growth and mortality: The role of grazing in the cycling of nutrients in the Northern Red Sea	GIF	Prof. Sommer	01.01.2004 - 31.12.2007	96.705,00
56	Laicherqualität Aale in SH	Förderung aus der Fischereiabgabe, Laicherqualität Aale in Schleswig Holstein	Sonstige	Prof. Hanel	21.06.2006 - 31.07.2007	15.920,00
56	OZON	Die Toxizität von Ozon und Ozon-generierten Radikalen in marine Kreislaufanlagen - Optimierung der Ozonanwendung in marinen Kreislaufanlagen	Sonstige	Prof. Hanel	01.01.2006 - 31.12.2008	150.000,00
						10.803.351,03

<sup>1</sup> Total Budget over the complete funding period

### Projects - Research Division 4: Dynamics of the Ocean Floor (without SFB)

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
1	BE 141/20/-1; FastSed	Fabric genesis, strength and physical properties of young Sediments, Ursa and Brazos-Trinity basins, Gulf of Mexico. A follow-up laboratory study of IODP Expedition 308	DFG	Prof. Behrmann	01.08.2006 - 31.07.2008	76.400,00
2	De 572/22-1, Ridge SPP 1144	Coordination of the Priority Program 1144, "From the mantle to the ocean"	DFG	Prof. Devey	01.08.2004 - 31.01.2006	461.417,00
3	De 572/22-2, Ridge Koordination	Coordination of the Priority Program 1144, "From the mantle to the ocean"	DFG	Prof. Devey	01.10.2005 - 30.09.2007	1.556.458,00
4	De 572/25-1, MARGEO (TOPOC)	The geology and structure of the Mid-Atlantic Ridge near Ascension Island	DFG	Prof. Devey	01.10.2005 - 31.01.2008	80.250,00
5	FR 947/9-2, Pyroklastische Ströme 2	Rheology, transport and separation mechanisms of pyroclastic flows	DFG	Dr. Freundt	01.06.2005 - 30.11.2006	64.604,00
6	GR 1964,7-1, M62- Charisma	Auswertung M62/3: Tiefenseismische Untersuchungen des Hot Spot-Vulkanismus der Kapverden Schwelle: Untersuchungen zur Mechanik und Isostasie der Lithospähre und Plumdynamik	DFG	Dr. Greve- meyer	01.10.2005 - 30.09.2006	16.152,00
7	Gr 1964,7-2, M62- Charisma	Tiefenseismische Untersuchungen des Hotspot-Vulkanismus der Kapverden Schwell: Untersuchungen zur Mechanik und Isostasie der Lithospäre und Plumedynamik	DFG	Dr. Greve- meyer	01.07.2006 - 30.06.2008	31.150,00
8	GR 1964/8-3 COSTMAR (M60/3)	Constraining the seismotectonics, crustal, and uppermost mantle structure beneath an actively propagating segment of the Northern Mid-Atlantic Ridge (M60/3)	DFG	Dr. Greve- meyer	01.09.2006 - 28.02.2007	14.700,00
9	GR 964/8-2 M60/2 Costmar 2	Auswertung M60/2: Geophysikalische Untersuchungen zur Seismotektonik, Krusten- und Mantelstruktur im Bereich eines propagierenden Rückensegments am Mittelatlantischen Rücken bis 21.5° N	DFG	Dr. Greve- meyer	01.09.2005 - 30.11.2006	32.350,00
10	HA 2100/10-1, Henry Seamounts	Vulkanismus am Henry Seamount, westliche Kanarischen Inseln: rezente Aktivität oder Frühphase des Kanaren Hot-Spots?	DFG	Dr. Hansteen	01.09.2006 - 31.08.2007	4.965,00
11	Ha 2586/14-2, THURA-MAR	U-Th-Ra disequilibria in basalts from the Mid-Atlantic Ridge 6-11°S: Constraints on melting, mixing and time-scales of magmatic processes	DFG	Dr. Hauff	01.01.2006 - 31.01.2008	140.600,00
12	He 3512/2-1 Gas hydrat quantification	Development of a combined geochemical-geophysical approach for quantification of regional submarine gas hydrate inventories	DFG	Dr. Hensen	15.11.2005 - 14.11.2006	65.800,00
13	Ho 1833/12-2 , New Zealand Volcanism 2	The Origin of Intraplate Volcanism in New Zealand	DFG	Prof. Hoernle	01.10.2006 - 30.09.2007	34.150,00
14	Ho 1833/13-1, Guatemala fore arc	Age geochemistry of igneous rocks in the Guatemalan forearc: Implications for the early history of the Caribbean Large Igneous Province	DFG	Prof. Hoernle	01.07.2004 - 30.06.2006	140.400,00
15	Ho 1833/14-2, Kamchatka 2	Mesozoic history of the Hawaiian hotspot and Pacific magmatism preserved in Kamchatka	DFG	Prof. Hoernle	01.10.2005 - 30.09.2006	69.750,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
16	Ho 1833/15-1 Marie Byrd Seamounts	Ursachen und Auswirkungen des Magmatismus im Bereich der Marie Byrd Seamounts (Amundsensmeer)	DFG	Prof. Hoernle	01.11.2005 - 31.07.2007	28.000,00
17	HO 1833/15-2, Marie Byrd Seamounts 2	Ursachen und Auswirkungen des Magmatismus im Bereich der Marie Byrd Seamounts (Amundsensmeer)	DFG	Prof. Hoernle	01.08.2006 - 31.07.2006	39.250,00
18	HO 1833/16-1, Isotope Variation	U-Th-Pb, Nd and Hf isotopic investigation of a complete in situ section of upper oceanic crust formed at a superfast spreading ridge (IODP Site 1256D)	DFG	Prof. Hoernle	01.12.2006 - 30.11.2008	130.750,00
19	KO 2961/1-2 SHAPE	Sunda: High Accretion Plate Edge	DFG	Prof. Kopp	01.07.2005 - 31.12.2007	130.782,00
20	KV52/1-2, Ultraslow GARBO	The nature of the lower crust at ultra-slow ridges	DFG	Dr. Kvassness	01.07.2005 - 30.06.2007	42.000,00
21	La 851/5-2, HYDRAS (TOPIC)	Hoch- und Niedrigtemperatur-Alteration ultramafischer Ozeankruste	DFG	Dr. Lack-schewitz	01.10.2005 - 30.09.2006	34.700,00
22	LOGDRILL - TOPIC	The third dimension of the ultramafic-hosted Logatchev-1	DFG	Dr. Petersen	01.07.2006 - 30.06.2008	151.100,00
23	M62-4 Asterics-Auws. 2	Geophysical Studies near the Ascension Transform: Evolution of Ridge Segmentation and Crustal Structure	DFG	Prof. Reston	01.04.2006 - 31.03.2008	170.500,00
24	PPP Kanada D/05/19349	Projektbezogener Personenaustausch mit Kanada	DFG	Dr. Petersen	-	6.742,00
25	Ra 925/2-1 West-Med	West-Med: Imaging the western mediterranean margins: a key target to understand the interaction between deep and shallow processes	DFG	Dr. Ranero / Prof. Reston	01.03.2005 - 31.08.2008	58.700,00
26	Re 873/12-1, M62/4 Asterics Auswertung	M62/4 Asterics-Ausw. (ESL): Geophysical Studies near the Ascension Transform: evolution of Ridge Segmentation and Crustal Structure.	DFG	Prof. Reston	01.06.2004 - 31.01.2007	99.600,00
27	Re 873/14-1 M61-2 Porcupine Becken-Ausw. 2	Das Porcupine Becken als natürliches Labor zur Unterstützung des Symmetrie und der Entwicklung der Extensionstektonik bis hin zum kontinentalen Aufbrechen: Weitwinkelseismik und Krustenstruktur	DFG	Prof. Reston	01.09.2005 - 31.12.2006	61.252,00
28	Re 873/17-1, RIFTING	Rifting Mechanism during the Formation of the West Mediterranean Margins	DFG	Prof. Reston	01.01.2006 - 30.06.2006	57.661,00
29	Schm 250/82-1	Analysis, impact, feedback and hazard aspects of flank collapses and Plinian eruptions of coupled volcano systems reflected in ODP Leg 157 cores.	DFG	Prof. Schmincke	01.08.2006 - 31.07.2008	34.000,00
30	Schm 250/81-1, Diatreme	Interne und externe Forcingmechanismen submariner Diatreme am Beispiel eines miozänen Diatremfeldes auf Sizilien	DFG	Prof. Schmincke	01.08.2005 - 31.07.2007	89.614,00
31	We 2543/2-1, MASS-Andaman-Sea	Morphodynamics and Slope Stability of the Andaman Sea Shelf Break	DFG	Dr. Weinrebe	01.05.2006 - 30.04.2007	177.259,00
32	03 G 0579 B, SUNDAARC; MERAMEX II	Verbundprojekt KR: SUNDAARC; Vorhaben: MERAMEX 2 - Seismische Tomographie und refraktionsseismische Strukturuntersuchung der Subduktionszone im Bereich des Hochrisikovolkans Merapi - Sonderprogramm GEOTECHNOLOGIEN	BMBF	Prof. Flüh	01.04.2004 - 30.06.2007	132.253,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
33	03 G 0594 E TIPTEQ	Verbundprojekt KR: TIPTEQ; Vorhaben: TIPTEQ 6 - Sonderprogramm GEOTECHNOLOGIEN (ohne Charter).	BMBF	Dr. Ranero	01.07.2004 - 30.06.2007	432.527,00
34	03G0190A, SO 190 Sindbad	SO 190 - SINDBAD: Seismische und geoakustische Untersuchungen entlang des Übergangs vom Sunda zum Banda Becken	BMBF	Prof. Kopp	01.09.2006 - 31.12.2008	345.450,00
35	03G0191A, SO 191- NEW VENTS	SO 191 - NEW VENTS, -New Zealand Cold Vents - Geophysikalische, geochemische und biologische Untersuchungen an Cold Vents zu der Verbindung mit Gashydraten und des Einflusses auf lokale, regionale und globale Methan- und Kohlenstoff-Kreisläufe	BMBF	Dr. Bialas	01.10.2006 - 31.03.2009	391.104,00
36	KALMAR, TP3A	KALMAR - Kurile-Kamchatka an Aleuten Marginal Sea-Island Systems:TP3A: Vulkanische und magnetisch Entwicklung der Kamchatka-Aleuten-Triple-Junction in Raum und Zeit	BMBF	Prof. Hoernle	01.10.2006 - 30.09.2006	212.246,00
37	METRO TP4 03G0604B	Verbundprojekt: GHII: METRO; Vorhaben: Teilprojekte 4 und 5: Methan und Methanhydrate im Schwarzen Meer: Strukturelle Analyse, Quantifizierung und Impakt eines dynamischen Methan-reservoirs	BMBF	Dr. Weinrebe	01.10.2004 - 31.12.2007	341.866,00
38	SO 186 -SeaCause I & II	SO 186 - SeaCause I & II	BMBF	Prof. Kopp	01.09.2005 - 30.09.2008	361.447,00
39	TEWS 03TSU01	Tsunami-Frühwarnsystem zur Finanzierung von Ocean-Bottom-Units	BMBF	Prof. Flüh	01.04.2005 - 31.03.2010	4.164.425,00
40	029080, THALES WAS RIGHT	Transients in the Hellenic and Antilles Locii of Earthquakes of European Subduction Water Activity Structure and Seismic Risk Illuminated by Geophysical High Technology	EU	Prof. Flüh	15.05.2006 - 14.04.2009	333.000,00
41	CRIMEA TP 1 EVK2-CT-2002-00162 CRIMEA	CRIMEA - Contribution of high-intensity gas seeps in the Black Sea of methane emission to the atmosphere	EU	Dr. Bialas	01.02.2003 - 31.01.2006	222.172,00
42	GO	Geophysial Oceanography - a new tool to understand the thermal structure and dynamics of oceans	EU	Prof. Reston	01.01.2006 - 31.12.2008	265.340,00
43	NOVAC - 18354 (GOCE)	Network for Observation of Volcanic and Atmospheric Change Specific Target Research Project	EU	Dr. Hansteen	01.10.2005 - 30.09.2009	79.200,00
44	SALVATORE	Seismic Analysis of the Lithosphere Via Advanced processing techniques and access to Deep Ocean Recorders during the Exploration	EU	Prof. Flüh	01.01.2005 - 31.12.2008	682.666,00
45	InterRidge Office	Mitgliederbeiträge	Diverse	Prof. Devey	01.06.2004 - 31.12.2006	210.129,58
46	Bereitstellung OBS	OBS Einsätze	Sonstige	Prof. Flüh	01.11.2006 -	3.000,00
47	GEUS-Grönland		Sonstige	Dr. Weinrebe	01.06.2006 - 31.12.2006	70.800,00
48	Nordsee Monitoring	Messungen und Auswertung der Veränderung im Sedimentskörper durch punktuelle Messsysteme zur Erfassung der Fluidmengen, ausströmende Fluide und Methanmessung, autonome Aufzeichnung und Übertragung der Daten über Kabel, direkt an die angeschlossenen Landstationen	Sonstige	Prof. Flüh	01.01.2006 - 31.12.2007	106.850,00

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
49	SINDRI		Sonstige	Dr. Jegen	01.02.2006 - 31.08.2006	88.400,00
50	Vidal Gormaz	Ausleihe unserer Multibeam-Echolot Ausrüstung	Sonstige	Dr. Weinrebe	01.01.2006 - 31.12.2006	15.000,00
						12.578.931,58

#### Projects - Research Division 4: Dynamics of the Ocean Floor (SFB only)

No.	Shorttitle/ Framework	Research Theme	Funding Agency	Lead PI	Funding Period	Budget (EUR) <sup>1</sup>
1	TP A1	Submarine Morphologie als Abbild aktiver Kontinentalrand-Prozesse	DFG- SFB574	Prof. Reston / Dr. Weinrebe	01.01.2001 - 30.06.2008	596.128,00
2	TP A2	Wechselwirkungen und Transfer zwischen Ober- und Unterplatte	DFG- SFB574	Prof. Flüh / Rabbel	01.01.2001 - 30.06.2008	1.123.161,00
3	TP A5		DFG- SFB574	Prof. Flüh / Dr. Grevemeyer	01.07.2004 - 30.06.2008	309.700,00
4	TP B2	Fluid-, Sediment- und Methanumsatz an konvergenten Plattenrändern: Die Rolle der Schlammdiapire und Schlammvulkane	DFG- SFB574	Prof. Reston	01.01.2002 - 30.06.2008	283.462,00
5	TP C2	Zum Umsatz magmatischer Volatile und Fluide in Subduktionszonen: Untersuchung vulkanischer Gesteine und ihrer Schmelzeinschlüsse	DFG- SFB574	Prof. Hoernle	01.01.2001 -	639.779,00
6	TP C4	Emissionen durch explosiven Vulkanismus an Subduktionszonen vom Pleistozän bis zur Gegenwart	DFG- SFB574	PD Dr. Freundt	01.01.2001 - 30.06.2008	597.484,00
7	TP N1 (Nachwuchsgruppe)	Nachwuchsgruppe	DFG- SFB574	Dr. Jegen	01.06.2005 - 30.06.2008	1.192.500,00
8	TP Z	Zentrales Verwaltungsprojekt	DFG- SFB574	Prof. Flüh / Prof. Reston	01.07.2004 - 30.06.2006	1.531.627,00
9	TP Z	Zentrales Verwaltungsprojekt	DFG- SFB574	Prof. Hoernle	01.07.2006 - 30.06.2008	642.800,00
						6.916.641,00

<sup>1</sup> Total Budget over the complete funding period

## 4. Ship Statistics & Expeditions

### Ship Statistics & Expeditions

**Table 4.1: Partners on IFM-GEOMAR research vessels, 2002-2006.**

*Pool partners are the AWI, the University of Hamburg and the IOW; national partners are all other public research institutes; barter cruises within the 'Tripartite Agreement', with the FWG, and on "LITTORINA" within the technical agreement with 3L-ELAC (since 2003).*

Ship	User	Ship days used				
		2002	2003	2004	2005	2006
"POSEIDON"	IFM-GEOMAR	85	61	95	88	14
	University of Kiel	43	0	0	0	0
	Pool partners	21	25	21	45	114
	National partners	29	56	59	25	35
	Barter cruises	0	45	59	23	82
	Charter cruises	64	43	40	50	37
	Transfer cruises	31	33	20	28	16
	<b>Total ship days</b>	<b>273</b>	<b>263</b>	<b>294</b>	<b>259</b>	<b>298</b>
"ALKOR"	IFM-GEOMAR	95	63	80	96	142
	University of Kiel	10	1	18	1	16
	Pool partners	21	53	57	61	17
	National partners	4	14	0	0	0
	Barter cruises	0	0	22	0	0
	Charter cruises	37	20	15	39	37
	Student courses	65	58	33	44	52
	Transfer cruises	0	0	2	4	3
	<b>Total ship days</b>	<b>232</b>	<b>209</b>	<b>227</b>	<b>245</b>	<b>267</b>
"LITTORINA"	IFM-GEOMAR	32	54	60	55	30
	University of Kiel	81	106	96	89	96
	Pool partners	7	0	0	0	3
	National partners	9	0	3	9	0
	Barter cruises	0	16	20	8	9
	Charter cruises	0	0	0	0	0
	Student courses	15	40	17	12	15
	<b>Total ship days</b>	<b>128</b>	<b>216</b>	<b>196</b>	<b>173</b>	<b>153</b>
"Polarfuchs"	IFM-GEOMAR	71	97	102	123	114
	University of Kiel	25	21	20	0	13
	Pool partners	0	0	0	0	15
	National partners	0	0	3	2	0
	Barter cruises	0	0	0	1	0
	Charter cruises	0	0	2	0	0
	Student courses	7	9	5	0	0
	<b>Total ship days</b>	<b>103</b>	<b>127</b>	<b>132</b>	<b>126</b>	<b>142</b>



**Table 4.2: Major Expeditions 2006**

Date	Vessel	Area	Project	PI
07.01. - 20.01	SONNE 186/1D	Eastern Indian Ocean	TEWS	Flüh
20.02. - 12.03.	METEOR M67/1	Southeast Pacific	SFB 574	Weinrebe
26.02. - 28.03.	SONNE 186/3	Eastern Indian Ocean	SEACAUSE	Flüh
24.03. - 31.03.	ALKOR AL275	Skagerrak	Cold Water Corals, JAGO	Riebesell
12.04. - 19.05.	MERIAN MSM01/3	G. of. Cadiz	COMET/HERMES	Pfannkuche
19.04. - 04.05.	ALKOR AL277	Baltic	CODYSSEY	Hinrichsen
31.05. - 17.06.	ALKOR AL279	Baltic	CODYSSEY	Hinrichsen
06.06. - 09.07.	METEOR M68/2	Tropical Atlantic	Physical Oceanogr.	Brandt
03.07. - 14.07.	ALKOR AL281	Baltic	SOPRAN	Riebesell
06.07. - 17.07.	POSEIDON P340	Eastern Mediterranean	Flamingo	Petersen
11.07. - 06.08.	METEOR M68/3	Tropical Atlantic	SOLAS	Körtzinger
01.09. - 23.09.	METEOR M69/2	Western Mediterranean		Grevenmeyer
10.10. - 02.11.	ALKOR AL290	North Sea	COMET	Pfannkuche
07.11. - 04.12.	MERIAN MSM03/3	Mid Atlantic Ridge	LOGDRILL – SPP 1144	Petersen
11.11. - 23.12.	SONNE SO-190/2	Southwest Pacific	SINDBAD	Flüh
03.12. - 21.12.	MERIAN MSM04/1	West Atlantic / Caribbean	MOVE	Müller



## 5. Publications

### 5.1 Books (Authorship) (1)

**Rehder, G.**, von Neuhoff, H., and von Neuhoff, S., (Eds.), 2006: Expedition Tiefsee. Kosmos Verlag, Stuttgart, 140 pp.

### 5.2 Books (Editorship) (1)

**Petersen, S., Herzig, P.M.**, and Morgan, C.L., (Eds.), 2006: Scientific, Legal, and Economic Perspectives of Marine Mining. Proceedings of the 36<sup>th</sup> Underwater Mining Institute Kiel. 24.09.-30.09.2006, International Marine Minerals Society, Kiel, 220 pp.

### 5.3 Book Contributions (36)

**Adelung, D., Kierspel, M.A.M.**, Liebsch, N., **Müller, G.**, and Wilson, R.P., 2006: Distribution of Harbour Seals in the German Bight in relation to Offshore Wind Power Plants. In: Köller, J., Köppel, J., and Peters, W.: *Offshore Wind Energy. Research on Environmental Impacts*. Springer, 65-75.

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Flemings, P.B., **Behrmann, J.H.**, John, C.M., and the Expedition 308 Scientists, 2006. *Proc. IODP, 308*: College Station TX (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.308.101.2006. <http://iodp.tamu.edu/publications/exp308/308title.htm>

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## 5.7 University Publications

### Habilitation: (2)

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**Blümel, Martina**, 2006: Molekularbiologische Charakterisierung benthischer Tiefsee-Foraminiferen in der östlichen Grönlandsee zur Aufklärung der Phylogenie von *Planulina wuellerstorfi* (Schwager 1866), Dissertation, Universität Kiel, 108 pp.

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**Fekete, Noémie**, 2006: Dewatering through mud mounds on the continental fore-arc of Costa Rica. Dissertation, Universität Kiel, 171 pp.

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- Kube, Nicole**, 2006: The integration of microalgae photobioreactors in a recirculation system for low water discharge mariculture. Dissertation, Universität Kiel, 170 pp.
- Kube, Nicole**, 2006: The integration of microalgae photobioreactors in a recirculation system for low water discharge mariculture. Dissertation, Universität Kiel, 189 pp.
- Lube, Gert**, 2006: The flow and depositional mechanisms of granular matter: Experimental and field studies with implications for pyroclastic flows. Dissertation, Universität Kiel, 160pp.
- Malzahn, Arne Michael**, 2006: Larval fish dynamics in changing environments. Dissertation, Universität Kiel, 97 pp.
- Matthiessen, Birte**, 2006: Experimental Test of Diversity Effects in Marine Metacommunities. Dissertation, Universität Kiel, 96 pp.
- Meyer, Steffen**, 2006: Einfluss der Wolkenstruktur auf die reflektierte solare Strahldichte inhomogener Bewölkung. Dissertation, Universität Kiel, 120 pp.
- Norros, Veera**, 2006: The influence of taxonomic diversity on the resistance to and recovery from hypoxia in a hard-bottom community. Diplomarbeit in Zusammenarbeit mit der Univ. Turku, 70 pp.
- Planert, Lars**, 2006: Crustal Structure of the Mid-Atlantic Ridge at 5° South: Two contrasting spreading segments. Dissertation, Universität Kiel, 209 pp.
- Saage, Andrea**, 2006: A comparison of phytoplankton and ciliate feeding by marine calanoid copepods. Dissertation, Universität Kiel, 73 pp.
- Sapp, Melanie**, 2006: Interaction of marine bacteria in the pelagic food web. Dissertation, Universität Kiel, 127 pp.
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- Schmale, Oliver**, 2006: Submarine Methane Seepage in the Paleo Dnepr Area and Sorokin Trough and its Influence on the Black Sea Methane Budget. Dissertation, Universität Kiel, 147 pp.
- Schmidt, Jörn Oliver**, 2006: Small and meso-scale distribution patterns of key copepod species in the Central Baltic Sea and their relevance for larval fish survival. Dissertation, Universität Kiel, 99 pp.
- Schwaderer, Anne Sabine**, 2006: Missing links – experimental evaluation of phytoplankton growth and succession. Dissertation, Universität Kiel, 169 pp.
- Stepputtis, Daniel**, 2006: The distribution of Baltic sprat, *Sprattus sprattus* L. – causes and consequences. Dissertation, Universität Kiel, 148 pp.
- Thiel, Vera**, 2006: Sponge-Associated Bacteria: Specificity, Diversity and Antimicrobial Potential. Dissertation, Universität Kiel, 106 pp.
- Thoma, Björn**, 2006: Auswirkungen einer Belastung mit Erdölkohlenwasserstoffen auf die Chemorezeption und das Verhalten von juvenilen Taschenkrebsen (*Cancer pagurus* L.) und Hummern (*Homarus gammarus* L.). Diplomarbeit, Universität Kiel, 128 pp.
- von Schuckmann, Karina**, 2006: Intraseasonal variability in the southwestern and central tropical Atlantic Ocean. Dissertation, Universität Kiel, 140 pp.
- Walter, Sylvia**, 2006: N<sub>2</sub>O in the Atlantic Ocean and the Baltic Sea. Dissertation, Universität Kiel, 152 pp.
- Wecker, Bert**, 2006: Nährstofffluss in einer geschlossenen Kreislaufanlage mit integrierter Prozesswasserklärung über Algenfilter: Modell und Wirklichkeit. Dissertation, Universität Kiel, 157 pp.
- Zumholz, Karsten**, 2006: The influence of environmental factors on the micro-chemical composition of cephalopod statoliths. Dissertation, Universität Kiel, 86 pp.
- Diploma Theses: (30)**
- Breitenbach, Ulrich**, 2006: Populationsstruktur und Phylogeographie der Streifenbarbe *Mullus surmuletus* Linnaeus 1758. Diplomarbeit, Universität Kiel, 44 pp.
- Buchholz, Björn**, 2006: Invasions-getriebene Veränderungsrate von Foulinggemeinschaften. Diplomarbeit, Universität Kiel, 70 pp.
- Buhr, Ohrtwin**, 2006: Geologie nördlich der Albul-Passstraße zwischen Pisch und Zuoz. Diplomarbeit (Kartierung), Universität Kiel, 72 pp.
- David, Andreas**, 2006: The Bagaces Formation in the Guanacaste Province, Costa Rica: Refined stratigraphy and petrology. Diplomarbeit, Universität Kiel, 202 pp.
- Donner, Michael**, 2006: Wachstum und Kondition von Heringslarven (*Clupea harengus* L.) in der Kieler Förde und im Nord-Ostsee-Kanal. Diplomarbeit, Universität Kiel, 72 pp.
- Ernst, Florian**, 2006: Einfluss der Mikrophysik auf das Polarisationsverhalten von Cirruswolken. Diplomarbeit, Universität Kiel, 86 pp.
- Fandre, Jessica**, 2006: Wassermassentransformation in der Labradorsee anhand von profilierenden Float-Daten und Vergleich mit Modellen. Diplomarbeit, Universität Kiel, 62 pp.
- Harrer, Daniela**, 2006: Experimente zum Einfluss von Temperatur auf Wachstum und Überleben von Heringslarven (*Clupea harengus* L.). Diplomarbeit, Universität Kiel, 157 pp.
- Hartmann, Anja**, 2006: Geologic evolution of the Tiscapa Maar in Managua, Nicaragua. Diplomarbeit, Universität Kiel, 130pp.
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- Homuth, Johannes**, 2006: Zirkulation im zentralen tropischen Atlantik in einem hochauflösenden Modell: Design eines Verankerungsarrays bei 23°W. Diplomarbeit, Universität Kiel, 65 pp.
- Ismar, Stefanie**, 2006: Climate change impacts on the autumn succession of phytoplankton: an experimental analysis with Baltic Sea plankton. Diplomarbeit, Universität Kiel, 82 pp.
- Karas, Cyrus**, 2006: The interaction between Loop Current and Mississippi discharge in the northeastern Gulf of Mexico over the last 400 kyr. Diplomarbeit, Universität Kiel, 67 pp.
- Klüser, Lars**, 2006: Strahlungsbilanz der bewölkten Atmosphäre aus MSG1-SEVIRI Daten. Diplomarbeit, Universität Kiel, 149 pp.
- Krieger, Kristin**, 2006: Die Ökologie meiobenthischer Lebensgemeinschaften in gashydrat- und ölhaltigen Sedimenten. Diplomarbeit, Uni-

versität Kiel, 58 pp.

**Krug, Sebastian**, 2006: Impact of CO<sub>2</sub>-induced seawater acidification on the calcification of *Coccolithus pelagicus*. Diplomarbeit, Universität Kiel, 51 pp.

**Lempio, Guido**, 2006: Machbarkeitsstudie über die Messung festen Niederschlags mit dem optischen Disdrometer. Diplomarbeit, Universität Kiel, 130 pp.

**Pierre, Virginie**, 2006: The convergent margin of Costa Rica and Nicaragua: structure and thermal properties derived from seismic reflection data. Diplomarbeit, Universität Kiel, xx pp.

**Rudolph, Claudia**, 2006: A model-measurements comparison of atmospheric forcing and surface fluxes of the Baltic Sea. Diplomarbeit, Universität Kiel, 70 pp.

**Schepanski, Kerstin**, 2006: Natürliche Variabilität der Wolken im Klimamodell. Diplomarbeit, Universität Kiel, 121 pp.

**Schleicher, Tina**, 2006: Bestimmung von ventspezifischen Faunenvergesellschaftungen am mittelamerikanischen Kontinentalrand mit Hilfe quantitativer Videoauswertung. Diplomarbeit, Universität Kiel, 68 pp.

**Schreiber, Kerstin**, 2006: Geology and bathymetry of the Logatchev-1 hydrothermal field at 14°45'N / 44°58'W and of the adjacent Mid-Atlantic Ridge between 14°26'N and 15°00'N [Kartierung]. Diplomarbeit, Universität Kiel, 60 pp.

**Schroeder, Sigrun**, 2006: Effects of temporally variable disturbance regimes on structure and diversity of marine macrobenthic communities in the Southern Baltic Sea. *GAME-Diplomarbeit*, 77 pp.

**Schweiger, Bianca**, 2006: Messung von NH<sub>2</sub>OH in ausgewählten Seegebieten. Diplomarbeit, Universität Kiel, 115 pp.

**Semm, Wolf**, 2006: Pliocene ignimbrites (Formación Bagaces) around Cañas, Guanacaste, Costa Rica [Kartierung]. Diplomarbeit, Universität Kiel, 33 pp.

**Soyka, Thomas**, 2006: Studies on stable isotope fractionation and the use of carotenoids as tracer for food web interactions in planktonic systems. Bachelorarbeit, University Duisburg-Essen, Department Chemistry, 44 pp.

**Sparr, Miriam**, 2006: Footprints of extratropical storms in the upper ocean. Diplomarbeit, Universität Kiel, 82 pp.

**Staufenberger, Tim**, 2006: Characterization of microbial communities associated with *Laminaria saccharina*. Diplomarbeit, Universität Kiel, 63 pp.

**Wahl, Sebastian**, 2006: Parametrisierung dreidimensionaler Strahlungsflüsse in ECHAM5. Diplomarbeit, Universität Kiel, 111 pp.

**Wegener, Jörg**, 2006: Moden nordatlantischer Klimavariabilität. Diplomarbeit, Universität Kiel, 103 pp.





## 6. Scientific & Public Presentations

### 6.1 Invited Scientific Presentations (109)

**Behrmann, J.H.:** IODP capacities for drilling into overpressured and unstable formations. Universitat de Barcelona, Spain, 25.10.2006.

**Behrmann, J.H.:** Synopsis of IODP Expedition 308 results; Gulf of Mexico Hydrogeology. IODP/ICDP Kolloquium, Greifswald, 29.03.2006.

**Behrmann, J.H.:** Synopsis of IODP Expedition 308 results; Gulf of Mexico Hydrogeology. IODP EuroColloquium, Cardiff, UK, 08.05.2006.

**Bialas, J.,** De Batist, M., Naudts, L., Poort, J., **Talukder, A.R.,** and **Klaeschen, D.,** Ivanova, A.: Fluid migration observed from seismic evidence in different hydrate provinces – Nicaragua vs. Black Sea. AGU Fall Meeting, San Francisco, USA, 12.12.2006.

**Bialas, J.,** Ivanova, A., and **Zillmer, M.:** Seismic wide angle data from Dvureshenskii mud volcano. Crimea project meeting, Gent, Belgium, 17.01.2006.

**Biaströch, A., Böning, C.W., Czeschel, L.,** Getzlaff, J., Madec, G., Molines, J.-M., and **Müsch, K.:** Interannual to decadal variability in the North Atlantic Ocean: meridional overturning circulation and its manifestation at the western boundary. Ocean Sciences Meeting, Honolulu, USA, 23.02.2006.

**Biaströch, A., Böning, C.W.,** Madec, G., and Molines, J.-M.: Mechanisms of interannual to decadal variability in the meridional overturning circulation of the mid-latitude North Atlantic: Rapid Climate Change. Birmingham, UK, 24.10.-27.10.2006.

**Biaströch, A.:** Interannual to decadal variability in the North Atlantic Ocean: meridional overturning circulation and its manifestation at the western boundary. Scripps Institution of Oceanography, La Jolla, USA, 01.03.2006.

**Böning, C.:** High-resolution modelling of deep water formation in the subpolar North Atlantic. DRAKKAR Meeting, Grenoble, France, 20.01.2006.

**Böning, C.:** Changes in the Gulf Stream System: Perspectives of Ocean Modelling. 1<sup>st</sup> Biannual Future Ocean Symposium, Kiel, 02.10.2006.

**Böning, C.:** Mechanismen dekadischer Schwankungen in der Zirkulation des Nordatlantiks. Kolloquium, ZMK, Universität Hamburg, 06.10.2006.

**Böning, C.:** Mechanisms of interannual-decadal variability of the Atlantic MOC. CSIRO Atmospheric Research, Melbourne, Australia, 02.11.2006.

**Böning, C.:** Mechanisms of interannual-decadal variability of the Atlantic MOC. CSIRO, Hobart, Tasmania, Australia, 08.12.2006.

**Brandt, P., Schott, F.,** Provost, C., Kartavtseff, A., **Hormann, V.,** Bourlès, B., and **Fischer, J.:** Circulation in the central equatorial Atlantic – mean and intraseasonal to seasonal variability (solicited). EGU General Assembly 2006, Vienna, Austria, 03.04.2006.

**Clemmesen, C.:** RNA/DNA ratios and otolith microstructure analyses as tools in Baltic Sea recruitment studies. Chesapeake Biological Laboratory, University of Maryland, Solomons, USA, 09.03.2006.

**Clemmesen, C.:** RNA/DNA ratios and otolith microstructure analyses as tools in Baltic Sea

recruitment studies. Graduate School of Oceanography, University of Rhode Island, Narragansett, USA, 29.03.2006.

**Clemmesen, C.:** RNA/DNA ratios and otolith microstructure analyses as tools in Baltic Sea recruitment studies. NOAA, National Marine Fisheries Service, James J. Howard Marine Science Laboratory, Sandy Hook, New Jersey, USA, 11.05.2006.

**Croot, P.:** Influence of Saharan dust on Trace Metal Biogeochemistry and Primary Production in the Tropical Atlantic. Leibniz-Institut für Ostseeforschung Warnemünde, 02.05.2006.

**Croot, P.:** The life(and)times of H<sub>2</sub>O<sub>2</sub> in the ocean: a simple molecule mixing it with the best of them. School of Environmental Sciences, University of East Anglia, Norwich, UK, 04.12.2006.

**Croot, P.:** Trace Metal Speciation Measurements in the Open Ocean – Lessons for the Baltic. Baltic Trace Metal Workshop, Göteborg University, Göteborg, Sweden, 19.10.2006.

**Dengg, J.,** Arend, G. v.: NaT-Working Meeresforschung. 5. NaT-Working Symposium der Robert-Bosch-Stiftung, Stuttgart, 29.09.2006.

**Dengler, M.:** Diapycnal mixing processes in the upwelling regions of the tropical Atlantic. Geophysikalisches Kolloquium, Universität Hamburg, 14.12.2006.

**Dengler, M.:** Diapynische Vermischungsprozesse in den Auftriebsgebieten des tropischen Atlantiks. Sektionsseminar Physikalische Ozeanographie, Leibniz-Institut für Ostseeforschung, Warnemünde, 09.05.2006.

**Devey, C.W.:** Geländearbeit in der Tiefsee – Zusammenhänge zwischen Tektonik, Vulkanismus und hydrothermalen Ökosystemen am Mittelatlantischen Rücken. Geophysikalisches Kolloquium, Universität Karlsruhe, Karlsruhe, 19.12.2006.

**Devey, C.W.:** InterRidge Statement of Commitment to Responsible Research Practices at Deep-Sea Hydrothermal Vents. 36<sup>th</sup> Annual Conference of the Underwater Mining Institute, Kiel, 25.09.2006.

**Devey, C.W.:** Writing the Code of Conduct: The Future of Ridge Research. American Association for the Advancement of Science, St Louis, Missouri, USA, 16.02.2006.

**Devey, C.W.:** Writing the Code of Conduct: The Future of Ridge Research. European Science Open Forum, München, 18.06.2006.

**Duggen, S.:** The role of mantle processes for the closure of Atlantic-Mediterranean marine gateways and the desiccation of the Mediterranean in the Late Miocene. European Science Foundation ESF – Workshops on Marine Research Drilling (Magellan Workshop Series): Workshop: "Drilling through an active caldera, offshore Campi Flegrei, Eastern Tyrrhenian margin", Napoli, Italy, 14.11.2006.

**Floegel, S.:** Hydrological Fluxes During Past and Future Greenhouse Climates. AAPG 2006, International Conference and Exhibition, Perth, Australia, 05.11.2006.

**Flüh, E.R.:** The Marine Component of the GITEWS Tsunami Early Warning System. Nagasaki, Japan, 30.03.2006.

**Frank M.:** Reconstructing past ocean circulation with radiogenic isotopes. STOPFEN symposium, Vrije Universiteit Amsterdam, The Netherlands,

## Scientific Presentations

## Scientific Presentations

19.10.-20.10.2006

**Frank, M.:** Reconstructing past ocean circulation. BRIGFOS Meeting, Wyboston, UK, 30.03.-02.04.2006.

**Froese, R.:** Lessons learned in the development of FishBase. International Committee of the Ocean Biogeographic Information System (OBIS), Los Baños, Philippines, 22.05.2006.

**Froese, R.:** Life-history strategies of Elasmobranchs. 10<sup>th</sup> Science Conference of the European Elasmobranch Association, Hamburg, 11.11.2006.

**Froese, R.:** The knowledge society in aquatic biodiversity: fishes of the world in the computer. Annual Meeting of the American Association for the Advancement of Science (AAAS), St. Louis, Missouri, USA, 17.02.2006.

**Froese, R.:** The science in FishBase: putting a huge database to work. Symposium Thinking Big: A Global Look at Fisheries Science. Fisheries Centre, UBC, Vancouver, Canada, 02.05.2006.

**Geldmacher, J.:** Age and Geochemistry of the Igneous Central American Forearc Basement (DSDP Legs 67 and 84). Integrated Ocean Drilling Program Seminar, College Station, TX, USA, 16.05.2006.

**Hanel, R.:** Antarctic Molecular Evolutionary Research at IFM-GEOMAR. Workshop "State-of-the-art on the evolution of marine pelagic organisms of the Southern Ocean, Leuven, Belgium, 04.12.2006.

**Hanel, R.:** Ecology and biogeochemistry of coastal systems. 2<sup>nd</sup> Sino-German Summer School on Marine Science, Kiel, 15.08.2006.

**Hanel, R.:** Fisheries genetics and evolutionary thinking. Institute of Biology of the Southern Seas Colloquium, Sevastopol, Ukraine, 29.06.2006.

**Hanel, R.:** Food from the sea: will fisheries and aquaculture be the food sources of the future? Boehringer Ingelheim Fonds - Schloss Gracht, Köln, 24.06.2006.

**Hanel, R.:** Kompetenzzentrum für Marine Aquakultur Schleswig-Holstein - konzeptionelle Gestaltung interdisziplinärer Forschung. Agrar- und Ernährungswissenschaftliche Fakultät der Universität Kiel, 06.11.2006.

**Hindle, D.:** The nutcracker suite - deforming the Okhotsk plate between Eurasia and North America. Universität Jena, Jena, 30.10.2006.

**Imhoff, J.F.:** Jungchemiker-Forum, Bonn, 11.07.2006.

**Imhoff, J.F.:** Leuchtturmprojekt des Landes Schleswig-Holstein. Kieler Zentrum für Marine Wirkstoffe: Meeresorganismen als Wirkstoffproduzenten. Neues aus dem Meer - Marine Wirkstoffe, Büsum, Germany, 12.10.2006.

**Ivandic, M., Grevemeyer, I., Flüh, E.R., and McIntosh, K.:** Structure and hydration of the subducting plate offshore Nicaragua. AGU Fall Meeting, San Francisco, USA, 14.12.2006.

**Karstensen, J., et al.:** MERSEA contribution to the in-situ observing system. MERSEA 3rd plenary meeting, The Queen Elizabeth II Conference Centre, London, UK, 06.03.-07.03.2006.

**Kassens, H., and the members of ICARP II, WG6:** Multi-Decadal Programs: International Conference on Arctic Research Planning II (ICARP II): Arctic shelf seas. 25<sup>th</sup> Meeting of the Arctic Ocean Sciences Board (AOSB), Potsdam, 28.03.-29.03.2006.

**Kassens, H., and the Members of Working Group 6:** ICARP II: Arctic Shelf Seas. ICARP II Implementation workshop, Potsdam, 19.11.-21.11.2006.

**Kassens, H.:** Innovations in Collaboration - Case Study 4: Planning and Cooperation for Multinational Field Projects. 2006 ARCUS Annual Meeting and Forum, Washington DC, USA, 25.05.-26.05.2006.

**Kassens, H.:** International Polar Year activities and the shelf-basin exchange: an overview on planned German projects. 4th SBI Pan-Arctic Meeting entitled "Shelf-Basin Exchange at the Margins of the Arctic: IPY and Beyond", Sopot, Poland, 26.09.-29.09.2006.

**Klaucke, I.:** Imagerie acoustique des sorties de fluides sur les marges continentales. Géosciences Azur, Villefranche-sur-Mer, France, 02.03.2006.

**Klaucke, I.:** La mise en œuvre du sondeur grands fonds DTS-1 de l'IFM-GEOMAR. Journées CARAIBES, Sophia Antipolis, France, 21.11.2006.

**Kopp, H., Flüh, E.R., Wittwer, A., Kläeschen, D., and Meramex Scientists:** Subduction of basement relief off Central Java: Geological indications for subduction erosion. EGU General Assembly, Vienna, Austria, 05.04.2006

**Körtzinger, A.:** Oceanic oxygen: The oceanographer's canary bird of climate change. Special seminar co-sponsored by Program on Climate Change, School of Oceanography, University of Washington, Seattle, USA, 31.08.2006.

**Körtzinger, A.:** Oceanic oxygen: The oceanographer's canary bird of climate change. 2<sup>nd</sup> Annual CarboOcean Meeting, Maspalomas, Gran Canaria, Spain, 04.12.2006.

**Körtzinger, A.:** Oxygen - the oceanographers' canary bird of climate change - or when chemical oceanography comes full circle. Special colloquium on the 50<sup>th</sup> anniversary of the Institute for Marine Research, Hamburg, 12.10.2006.

**Körtzinger, A.:** Oxygen measurements with lifetime based optodes: Performance results from float deployments. ACT Workshop 'Dissolved Oxygen Sensors', University of Florida, St. Petersburg, USA, 05.01.2006.

**Krüger, K., Manney, G., Pawson, S., Tegtmeier, S., and Grunow, K.:** The exceptional Arctic winter 2005/06: an example to investigate polar processes using different assimilation systems. SPARC data assimilation workshop, ESTEC Noordwijk, The Netherlands, 02.10.-04.10.2006.

**Krüger, K., Tegtmeier, S., Wohltmann, I., and Rex, M.:** Multi-year calculations of transport processes in the TTL. SCOUT Annual Meeting, Jülich, 20.03.-23.03.2006.

Lampitt, R., Send, U., **Müller, T.J.**, Meinecke, G., Villagarcia, M., and Valdimarsson, H.: ANIMATE: a multidisciplinary observatory network in the North Atlantic. World Maritime Technology Conference 2006, The Queen Elizabeth II Conference Centre, London, UK, 06.03.-10.03.2006.

**Lehmann, A., and Myrberg, K.:** Upwelling in the Baltic Sea - Not only a review-, FIMR, Helsinki, Finland, 04.08.2006.

**Lehmann, A.:** Upwelling events in the Baltic Sea. Summer School on Air-Sea Interaction, 28.08.-01.09.2006, FIMR, Helsinki, Finland,

01.08.2006.

**Lembke-Jene, L.:** Methane Venting and Rapid Climatic Changes in the Okhotsk Sea - a Research Overview. Colloquium, School of Ocean Sciences, Bangor, UK, 02.09.2006.

**Linke, P., Pfannkuche, O., Karstensen, J.,** and Beuck, L.: Long-term observation of a cold water coral mound in the Porcupine Seabight and implications for the ESONET/CeltNet programme. Scientific Submarine Cable 2006, Dublin Castle, Dublin, Ireland, 08.02.-10.02.2006

**Linke, P.:** Marine Gas Hydrate Research at IFM-GEOMAR: An Overview on History and Recent Developments. UMI 2006: Scientific, Legal, and Economic Perspectives of Marine Mining. 36<sup>th</sup> Underwater Mining Institute, Kiel, 24.09.-30.09.2006.

**Lube, G.:** Static and flowing regions in inertial granular collapse flows. Gordon-Research Conference 2007 "Granular and granular-fluid flow", Oxford, UK, 24.07.2006.

**Macke, A.:** Modelling and observing the radiation budget of clouds - Four requests to EUFAR, EUFAR workshop, Paris, France, 14.09.2006

**Macke, A.:** Observing and Modelling the Radiation Budget of Clouds. COE International Symposium Climate Change, Sendai, Japan, 08.11.2006.

**Macke, A.:** Optical Properties of Solids and Liquids, From Brown Dwarfs to Planets. Lorentz-Center, University, Leiden, The Netherlands, 26.10.2006.

**Macke, A.:** Radiative Transfer in the Cloudy Atmosphere: Modeling, Observations and MORE. Kolloquium Institut für Troposphärenforschung, Leipzig, 16.06.2006.

**Macke, A.:** Radiative Transfer in the Cloudy Atmosphere: Modeling, Observations and MORE, Kolloquium, Institut für Chemie und Dynamik der Atmosphäre, Forschungszentrum Jülich, 07.09.2006.

Manney, G.L., MacKenzie, I.A., Livesey, N.J., **Krüger, K.**, Lambert, A., Schwartz, M.J., Santee, M.L., Pumphrey, H.C., Daffer, W.H., Bernath, P., Boone, C.D., and Walker, K.A.: Dynamical and Transport Studies using New Satellite Data: Transport during the 2006 Major Warming and Studies of Stratopause Structure and Evolution. University of Toronto, Canada, 30.10.2006.

**Matthiessen, B.:** Dispersal and Disturbance regulate biodiversity effects in an experimental metacommunity. University of Montpellier, Department of Ecology and Evolution, 27.07.2006.

**Matthiessen, B.:** Dispersal regulates the relationship between diversity and community productivity. Invited Lab visit from Prof. Bradley Cardinale, University of California (UCSB), Santa Barbara, USA, 26.03.2006.

**Nürnberg, D.:** LOOP Current variability - its relation to meridional overturning circulation and the impact of Mississippi discharge. Seminar Talk, Institute for Geosciences, Univ. Bergen, Bergen, Norway, 01.09.06.

**Oschlies, A.:** Klimasensitivität der biologischen Pumpe - die Mischung macht's! Institut für Chemie und Biologie des Meeres (ICBM), Oldenburg, 29.11.2006.

**Oschlies, A.:** The ocean's grip on atmospheric CO<sub>2</sub> - inferences from numerical models. Frontiers of Science, Royal Society and Alex-

ander von Humboldt Stiftung, Wyboston, UK, 01.04.2006.

**Pfeiffer, M.:** Decadal and Interdecadal Climate Variability in long lived tropical corals. IPRC/SOEST, University of Hawaii, Honolulu, USA, 03.03.2006.

**Schmidt, J.:** Die Bedeutung von Zooplankton für das Überleben von Fischlarven in der Ostsee. Bundesforschungsanstalt für Fischerei, Hamburg, 07.08.2006.

**Schott, F.:** North Atlantic water mass conversion and overturning. International Climate Workshop, Ocean Univ. of China (OUC), Qingdao, China, 18.07.2006.

**Schott, F.:** Ocean-climate variability of the Indo-Pacific. Western Pacific Geophysical Meeting (WPGM), Peking, China, 27.07.2006.

**Schott, F.:** Physical Oceanography of the Indian Ocean. 13<sup>th</sup> Ocean Sciences Meeting, Honolulu, HI, USA, 21.02.2006.

**Schott, F.:** The Atlantic MOC: a northern perspective. UK RAPID Symposium, Birmingham, UK, 25.10.2006.

**Schott, F.:** The Meridional Overturning Circulation of the North Atlantic: has it changed? Massachusetts Institute of Technology (MIT), Boston, USA, 05.05.2006.

**Sommer U., Aberle-Malzahn, N., Hoppe, H.-G.,** and **Lengfellner, K.:** Kiel plankton mesocosms: an experimental analysis of the impacts of climate change on the succession of spring plankton. Universität Oldenburg, 15.06.2006.

**Sommer, U., Aberle-Malzahn, N.,** and **Lengfellner, K.:** Die Auswirkungen des Klimawandels auf die Frühjahrsentwicklung des Planktons der Ostsee. Technische Universität Braunschweig, 27.04.2006.

**Sommer, U., Aberle-Malzahn, N.,** and **Lengfellner, K.:** The impact of climate change on the spring growth of plankton. Jahrestagung der Deutschen Zoologischen Gesellschaft (DZG), Münster, 18.09.2006.

**Sommer, U.:** About clear water phases and trophic cascades: which zooplankton are strong top-down controllers? Workshop "Perspectives in Aquatic Ecology", Plön, 30.09.2006.

**Sommer, U.:** Biologische Meereskunde und Limnologie - Kooperation, Konvergenzen und Divergenzen am Beispiel des Schwerpunktprogramms AQUASHIFT. Jahrestagung Societas Limnologia internationalis (SIL), Innsbruck, Austria, 23.10.2006.

**Sommer, U.:** Umweltveränderungen und ökosystemare Auswirkungen: Seen und Meere. ZUFO-Umweltsymposium „Globale Umweltveränderungen und Wetterextreme“, Münster, 06.11.2006.

**Spielhagen, R.F., Haley, B.A.,** and **Frank, M.F.:** Late Quaternary history of surface and intermediate water masses in Eastern and Central Arctic Ocean. AGU Fall Meeting, San Francisco, USA, 10.12.-15.12.2006.

Talukder, A.R., **Bialas, J., Klaeschen, D., Brückmann, W., Reston, T.,** and Breitzke, M., 2006, Tectonic framework of the mud mounds, associated BSRs and submarine landslides on the Pacific margin off Nicaragua. AGU Fall Meeting, San Francisco, USA, 14.12.2006.

van de Flieddt, T., Goldstein, S.L., Hemming, S.R., **Frank, M.,** and A.N. Halliday, Neodymium - Hafnium Isotope Systematics in Sea-

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water: Status Quo, Problems, and Promises. AGU Meeting, San Francisco, USA, PP12B-01, 11.12.2006.

**Visbeck, M.:** Atlantic Climate Variability and Change. Bjerknes Summer School 2006 on "Multidecadal climate variability and teleconnection dynamics", Finse, Norway, 13.09.2006.

**Visbeck, M.:** Autonome Messsysteme im Ozean. 50 Jahre Institut für Meereskunde Hamburg, Hamburg, 12.10.2006.

**Visbeck, M.:** Climate Variability and Change in the Atlantic Sector: Challenges for Oceanography. AIOL 7th National Conference, Naples, Italy, 04.07.2006.

**Visbeck, M.:** Der Ozean der Zukunft: Meereswissenschaften im 21. Jahrhundert. Symposium: „1906-2006: Meereskunde in Deutschland gestern und heute“, Deutsches Technikmuseum, Berlin, 27.09.2006.

**Visbeck, M.:** The Ocean's role in Climate Variability and Change in the Atlantic Sector. Japanese-German Frontiers of Science Symposium, Heidelberg, 03.11.2006.

**Visbeck, M.:** The Ocean's Role in Climate Variability and Change. I-IV, Vortragsreihe. Summer School, Climate Changes Impact On Marine Ecosystems, Middle East Technical University, Ankara, Turkey, 21.08.-22.08.2006.

**Visbeck, M.:** The Role of Ocean Dynamics in Tropical Atlantic Climate Variability and Change. IOW-Kolloquium, Warnemünde, 20.06.2006.

**Visbeck, M.:** The Southern Annular Mode and Water Mass Transformation in the Southern Hemisphere: The physical setting for biogeochemical signals. 13<sup>th</sup> Ocean Science Meeting, Honolulu, HI, USA, 21.02.2006.

**Wahl, M.:** Ecology of Epibiosis. 13<sup>th</sup> Intern. Congr. Mar. Corr. Foul., Rio de Janeiro, Brazil, 25.07.2006.

**Wallace D.W.R.:** Carbon Program and Syntheses. CLIVAR/GODAE Meeting on Ocean Synthesis Evaluation, ECMWF, Reading, UK, 01.09.2006.

**Wallace, D.W.R.:** Backward and forward perspectives on oceanic carbon. 1<sup>st</sup> Biannual Future Ocean Symposium, Kiel, 03.10.2006.

**Wallace, D.W.R.:** Decadal carbon storage in the North Atlantic Sub-Tropical Gyre. CARBOOCEAN / IOCCP Initial Atlantic Ocean Carbon Synthesis Meeting, Laugarvatn, Iceland, 28.06.-30.06.2006.

**Wallace, D.W.R.:** The Tropical Eastern North Atlantic Time-Series Observatory, TENATSO. EurOceans workshop on Long Term Marine Observations, Monaco, 27.04.2006.

**Willebrand, J.:** Modelling the North Atlantic Circulation. European Center for Medium-Range Weather Forecast, Reading, UK, 23.06.2006.

**Willebrand, J.:** Variability of the Atlantic meridional overturning circulation. CSIRO Marine and Atmospheric Research, Hobart, Australia, 03.02.2006.

## 6.2 Other Scientific Presentations (221)

**Aberle, N.,** and Malzahn, A.M.: Inter- and intraspecific variations in stable isotope fractionation - experimental studies simulating pelagic multi-trophic systems. ASLO 2006 Summer Meeting, Victoria British Columbia, Canada, 05.06.2006.

Andersson, P.S., Porcelli, D., **Frank, M.,** and Björk, G.: The Nd isotopic composition in the Barents Sea, Nansen Basin and Fram Strait: Water mass exchange between the Arctic and Atlantic Ocean. Goldschmidt Conference, Melbourne, Australia, 30.08.2006.

**Augustin, N., Lackschewitz, K.S., Devey, C.W., Eisenhauer, A.,** Garbe-Schönberg, D., and James, R.H.: The history of water-rock interaction at Logatchev hydrothermal field as stored in the secondary mineral paragenesis. EGU General Assembly, Vienna, Austria, 06.04.2006.

**Bange, H.W.,** and P320/1 cruise participants: Where the Sahara meets the Atlantic Ocean: First results from the SOLAS cruise P320/1 to the Mauritanian upwelling in March/April 2005. EGU General Assembly, Vienna, Austria, 05.04.2006.

**Bange, H.W.:** The nitrogen cycle in the Arabian Sea. International Workshop on Sustained Indian Ocean Biogeochemistry and Ecological Research, Goa, India, 04.10.2006.

**Bange, H.W.:** Trace gases in coastal areas. Kolloquium, Zentrum für marine Tropenökologie, Bremen, 21.06.2006.

**Bauch, D., Wegner, C.,** Hoelemann, J.A., Kirillov, S., Koldunov, N., Churun, V., Dmitrenko, I., Nitishinsky, M., Timokhov, L., and **Kassens, H.:** Laptev Sea hydrographic expedition data from 1993 to 2003: interannual variations and exchange with the Arctic Ocean interior. Eighth Workshop on Russian-German Cooperation: Laptev Sea System, St. Petersburg, Russia, 07.-09.02.2006.

**Bauch, H.A., Kassens, H.,** Klyuvitkina, T., Meyer, H., **Müller-Lupp, T.,** Polyakova, Ye., Rekant, P., and Taldenkova, E.: Environmental history of the Laptev Sea: present status and future perspective. Eighth Workshop on Russian-German Cooperation: Laptev Sea System, St. Petersburg, Russia, 07.-09.02.2006.

**Behrmann, J.H.,** Flemings, P.B., John, C., and Exp. 308 Scientific Party, IODP: Overpressure generation, temperatures and fluid flow in rapidly deposited Quaternary sediments: Ursa Basin, Gulf of Mexico. EGU General Assembly, Vienna, Austria, 03.04.2006.

**Bers, V.,** and **Wahl, M.:** Pattern of antifouling defense in mussels: aspects of biogeography, phylogeny and component synergy. 13<sup>th</sup> Intern. Congr. Mar. Corr. Foul. Rio de Janeiro, Brazil, 26.07.2006.

**Bigalke, N.:** Towards parameterisation of the behaviour of CH<sub>4</sub> bubbles in seawater: experimental determination of the rise velocity of CO<sub>2</sub> droplets within hydrate forming conditions. COMET-METRO Workshop, Bremen, 16.11.-17.11.2006.

**Bischoff, A.A., Waller, U.,** Schneider, O., Eding, E., **Orellana, J., Wecker, B.,** and Verreth J.: Growth and Mortality of *Nereis diversicolor* farmed on solid waste from a marine recirculation system for sea bass *Dicentrarchus*

labrax. ZAFIRA Workshop, Shanghai, China, 29.06.2006.

**Bischoff, A.A., Waller, U.,** Schneider, O., Eding, E., **Schnack, D.,** and Verreth, J.: Growth and mortality of the marine polychaete *Nereis diversicolor* (O.F. Mueller, 1776) farmed as an additional organism in a recirculation system. AQUA 2006, Combined annual meeting of the EAS and WAS, Firenze, Italy, 10.05.2006.

**Böning, C.:** Mechanisms of circulation variability in the subpolar North Atlantic. 13<sup>th</sup> Ocean Sciences Meeting, Honolulu, USA, 21.02.2006.

**Böning, C., Scheinert, M., Biastoch, A., Dengg, J., Funk, A., Brandt, P., and Czeschel, L.:** Causes of changes in the subpolar North Atlantic gyre transport. EGU General Assembly, Vienna, Austria, 03.04.2006.

**Böning, C.:** Mechanisms of interannual-decadal variability of the Atlantic MOC. University of New South Wales, Sydney, Australia, 29.10.2006.

**Brandt, P.:** Die Rolle des Ozeans im Klimasystem des tropischen Atlantiks. Wissenschaftliches Kolloquium im Rahmen der Berufung W3 Ozeanographie an der Universität Hamburg, 13.10.2006.

**Brandt, P., Hormann, V., Bourles, B., Fischer, J., and Stramma, L.:** Zonal flow in the equatorial Atlantic and its relation to the cold tongue. CLIVAR Tropical Atlantic Meeting, Paris, France, 18.10.2006.

**Brandt, P., Schott, F.,** Provost, C., Kartavtseff, A., **Hormann, V.,** Bourlès, B. and **Fischer, J.:** New observations of the shallow circulation in the western and central equatorial Atlantic. III Seminar of the Bilateral Cooperation DOCEAN - IFM/GEOMAR, Universidade Federal de Pernambuco, Recife, Brazil, 05.06.2006.

**Breithaupt, P., Walther, K., Sommer, U., Hoppe, H.-G., and Jürgens, K.:** How do different temperature regimes affect bacterial activity and community composition during an algal spring bloom? 3<sup>rd</sup> DFG AQUASHIFT Workshop; Kiel Nov. 14.11.2006.

**Bröckel, von, K.:** German Research Vessels and the new RV Maria S. Merian. International Research Ship Operator Meeting (ISOM), 25.10.2006.

**Cahyarini, Sri Y., and Dullo, W.-Chr.:** Calibration of culticores Sr/Ca records sea surface temperature: Records from Tahiti corals (French Polynesia). 13<sup>th</sup> Ocean Sciences Meeting, Honolulu, HI, USA, 21.02.2006

Carlson, A.E., Clark, P.U., **Haley, B.A.,** Klinkhammer, G.P., Simmons, K., Brook, E.J., and Meissner, K.J.: Geochemical proxies of North American freshwater routing during the Younger Dryas. *EOS Trans. AGU*, **87** (52) Fall meeting Supplement, Abstract PP23C-1764, 12.12.2006.

**Clemmesen, C.,** 2006: Larval nutrition and biochemical indices. Early Life History of Fishes, a graduate course in larval fish identification and ecology. University of New England, Biddeford, Maine, USA, 07.08.2006.

**Clemmesen, C., Voss, R.,** Baumann, H., and **Hinrichsen, H.-H.:** Baltic Sea sprat (*Sprattus sprattus*) larvae: coupling food availability, larval condition and survival. Southern New England Chapter, American Fisheries Society (SNEC AFS), Summer meeting 2006, University of Massachusetts, Dartmouth, USA, 14.06.2006.

**Dengg, J.,** and Queisser, C.: NaT-Working Ma-

rine Research - a research institution's contribution to education. EGU General Assembly, Vienna, Austria, 05.04.2006.

**Dengler, M.,** Bourlès, B., and Toole, J.: Deep diurnal cycle turbulence due to Tropical Instability Waves in the Atlantic at 10°W. EGU General Assembly, Vienna, Austria, 05.04.2006.

**Dengler, M.:** Upper-ocean mixing processes in the equatorial Atlantic during monsoon onset in 2006. CLIVAR Tropical Atlantic Meeting, UNESCO Building, Paris, France, 18.10.2006.

**Dobretsov, S.,** Xiong, H., and Qian, P.-Y.: Novel antifoulants: Inhibition of larval settlement by proteases. 13<sup>th</sup> Intern. Congr. Mar. Corr. Foul., Rio de Janeiro, Brazil, 24.06.2006.

**Dommenget, D., Semenov, V., and Latif, M.:** Impacts of the tropical Indian and Atlantic Oceans on ENSO. EGU General Assembly, Vienna, Austria, 03.04.2006.

**Dorador C.,** Witzel, K-P., **Imhoff, J.F.,** and Vila, I.: Microbial diversity in high altitude wetlands: the role of nitrifying bacteria in Salar de Huasco, northern Chile. AQUAVIT-Seminar, Max-Planck-Institut für Limnologie, Plön, 02.03.2006.

**Duggen, S.:** Geochemical evidence for the transition from slab surface dehydration to sediment melting in the volcanic-front to rear-arc region of the Southern Kamchatkan subduction zone. Petrological Seminar of the Geological Institute, University of Copenhagen, Denmark, 19.12.2006.

**Duggen, S.:** Volcanoes can fertilise the surface ocean and stimulate phytoplankton growth: Implications for ocean-atmosphere interchange of C-S-compounds and global climate development. Seminar der Arbeitsgruppe Prof. Wolfgang Bach im Fachbereich Geowissenschaften, Universität Bremen, 08.11.2006.

**Dullo, W.-Chr., Latif, M.,** and Schöne, B.: Modulation of seasonal to interannual climate variability in the Indo-Pacific-Region. DFG Schwerpunktprogramm Interdynamik, Bremen, 18.09.2006.

Dupré, S., Woodside, J., **Klaucke, I.,** Mascle, J., Foucher, J., and NAUTINIL & MIMES Scientific Parties: Seepage activity offshore Egypt revealed by high resolution geophysical and ground truth data. EUROMARGINS Conference, Bologna, Italy, 05.10.2006.

**Ehlers, A.:** Does genetic diversity drive ecosystem functions in marine macrophyte stands? AQUAVIT-Seminar, Max-Planck-Institut für Limnologie, Plön, 02.03.2006.

Eisenhauer, A., **Nürnberg, D.,** Schmittner, A., and Blanz, T.: Phasenbeziehungen zwischen oberflächennaher Ozeanerwärmung, Evaporation und Änderungen des Eisvolumens an glazialen Terminationen. DFG-Workshop Schwerpunktprogramm INTERDYNAMIK, Bremen, 18.09.2006.

**Fietzke, J., and Eisenhauer A.:** The temperature dependent strontium isotope fractionation ( $\delta^{88}/^{86}\text{Sr}$ ) during calcium carbonate precipitation. 20<sup>th</sup> ICP-MS Meeting, Mainz, 06.03.2006.

**Fietzke, J., Liebetrau, V., Eisenhauer, A., and Dullo, Ch.:** Determination of uranium isotope ratios by multi-static MIC-ICP-MS: method and implementation for precise U- and Th-series isotope measurements. U-forum Workshop, Keyworth, UK, 08.07.2006.

**Fischer, J., Schott, F., and Rabe, B.:** Supply routes of eastern tropical Atlantic upwelling

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regions - shallow ARGO Floats. 2<sup>nd</sup> Argo Science Workshop, Venice, Italy, 17.03.2006.

Flemings, P.B., Germaine, J., Long, H., Dugan, B., **Behrmann, J.H.**, and John, C.: Shipboard Scientific Party, IODP Expedition 308, 2006. In-situ pressure and temperature measurements with the T2P in the Ursa Basin, Gulf of Mexico: Development of a new pressure and temperature probe for the IODP. Offshore Technology Conference, Houston, TX, USA, 02.05.2006.

**Frank, M.**, Hattendorf, B., Günther, D., and Hein, J.R.: Changes in ocean chemistry across the K/T boundary: A laser-ablation study of a marine Fe/Mn crust. Goldschmidt Conference, Melbourne, Australia, 01.09.2006.

**Friedrich, T.**: Neural-network based mapping of pCO<sub>2</sub> from simulated VOS and remote sensing data generated by an eddy-resolving North Atlantic model. 2<sup>nd</sup> Annual CarboOcean Meeting, Gran Canaria, Spain, 05.12.2006.

**Froese, R.**: Überfischung: ein weltweites Problem. Verbraucherzentrale Hamburg at the occasion of the launch of the Fish-O-Meter, a ruler to identify immature fishes. Hamburg, 31.05.2006.

**Funk, A., Brandt, P., Schott, F.A.**, and Emery, W.J.: Sea Level Anomalies in the Labrador Sea. 2<sup>nd</sup> Argo Science Workshop, Venice, Italy, 14.03.2006.

Garcon, V., Salihoglu, B., **Kriest, I.**, and **Oschlies, A.**, 2006: Phytoplankton distribution and carbon production in the North Atlantic. 13<sup>th</sup> Ocean Sciences Meeting, Honolulu, USA, 23.02.2006.

**Geldmacher, J., Hoernle, K.A., Bogaard, P.v.d.**, and Klügel, A.: Age and geochemistry of Central American forearc basement rocks (DSDP Leg 67 and 84) reveal a complex geodynamic history. IODP-ICDP Kolloquium, Greifswald, 29.03.2006.

**Geldmacher, J., Hoernle, K.A., Hauff, F.**, Klügel, A., and **Bogaard, P.v.d.**: Age and geochemistry of Central American forearc basement rocks (DSDP Leg 67 and 84) reveal a complex geodynamic history. AGU Fall Meeting, San Francisco, USA, 12.12.2006.

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## Scientific Presentations

## Poster Presentations

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**Weinberger, F.**: Bakteriell kontrollierte Sporenfreisetzung in *Acrochaetium* sp.. 11. Tagung der Sektion Phykologie der Deutschen Botanischen Gesellschaft, Helgoland, 31.08.2006.

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**Zöllner, E.**: The potential contribution of heterotrophs to biogenic emissions – short report on the Meteor 68/3 cruise. OOMPH Project Meeting, Crete, Greece, 12.10.-13.10.2006.

**Zumholz, K.**, and **Piatkowski, U.**: Cephalopod statoliths: What their chemical composition can tell us about the animal's life history – Analytical methods and applications. Cephalopod International Advisory Council Workshop "Movement and Migration of Cephalopods", Hobart, Australia, 05.02.2006.

**Zumholz, K.**, **Jakob, E.**, and **Hanel, R.**: Eel-Trace – life history traits and migration behaviour of the European Eel: The effects of habitat choice on eel spawner quality. ICES Annual Science Conference, Maastricht, The Netherlands, 20.09.2006.

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Böhm, F., Gussone, N., Eisenhauer, A., Reynaud, S., Paytan, A., Brachert, Th., Reitner, J., Wörheide, G., and **Dullo, W.-Chr.**: Ca isotope fractionation of inorganic, biologically induced and biologically controlled calcium carbonates. EGU General Assembly, Vienna, Austria, 05.04.2006.

**Breithaupt, P.**, **Sommer, U.**, Jürgens, K., and **Hoppe, H.-G.**: Temperature dependency of the coupling between phyto- and bacterioplankton during early spring bloom conditions. 11<sup>th</sup> International Symposium on Microbial Ecology, (ISME 11), Vienna, Austria, 20.08.-25.08.2006.

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**Duggen, S., Portnyagin, M.,** Baker, J., Ulfbeck, D., **Hoernle, K.A.**, Garbe-Schönberg, D., Grassineau: Geochemical evidence for the onset of slab surface sediment melting behind the volcanic front in the southern Kamchatkan subduction zone. Meeting of the DMG, Hannover, 25.09.-27.09.2006.

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USA, 20.02.-24.02.2006.

**Fekete, N., Grevemeyer, I., Reston, T.,** Spiess, V.: Seismo-acoustic investigations of mud diapirs offshore of northern Costa Rica. AGU Fall Meeting, San Francisco, USA, 11.12.-15.12.2006.

**Frank, M.,** Hattendorf, B., Günther, D., and Hein, J.R.: Changes in ocean chemistry across the K/T boundary: A laser-ablation study of a marine Fe/Mn crust. AGU Meeting, San Francisco, USA, PP21C-1705, 12.12.2006.

**Friedrich, T., Oeschlies, A., and Eden, C.**: Estimating surface pCO<sub>2</sub> with a Neural Network using data from a high resolution coupled ecosystem-circulation model of the North Atlantic. EGU General Assembly, Vienna, Austria, 02.04.-07.04.2006.

**Friedrich, T.**: Modelling surface pCO<sub>2</sub> and air-sea CO<sub>2</sub> fluxes in the North Atlantic. EGU General Assembly, Vienna, Austria, 02.04.-07.04.2006.

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Fu, Y., Heslop, D., Franke, C., Frederichs, T., Flemmings, P.B., John, C., **Behrmann, J.**, von Dobeneck, T., Expedition 308 Shipboard Scientific Party: A Paleomagnetic and Rock Magnetic Study of the Stratigraphic Evolution of the Brazos Trinity Basin. EGU General Assembly, Vienna, Austria, 02.04.-07.04.2006.

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**Glessmer, M., Oeschlies, A.,** and Yool, A: Impact of double diffusive mixing on upper ocean properties. EGU General Assembly, Vienna, Austria, 02.04.-07.04.2006.

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**Grevemeyer, I.,** Tiwari, V.M.: Overriding plate controls spatial distribution of megathrust earthquakes in the Sunda-Andaman subduction zone. EGU General Assembly, Vienna, Austria, 02.04.-07.04.2006.

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Guerrero-Kommritz, J., and **Piatkowski, U.**: Cephalopods sampled during the DIVA-II expedition of RV Meteor in the tropical Atlantic during March 2005. Cephalopod International Advisory Council Symposium "Cephalopod life cycles", Hobart, Australia, 06.02.-10.02.2006.

## Poster Presentations



## Poster Presentations

- Hanel, R., Debes, P., and Breitenbach, U.:** Genetic diversity, population structure and biogeography of sprat (*Sprattus sprattus*) and striped red mullet (*Mullus surmuletus*). VW-workshop on Advances in Molecular Evolutionary Ecology, Tutzing, 27.11.-01.12.2006.
- Hansteen, T.H., Grevemeyer, I., Hanel, R., Kraus, G., Schneider, J., Masson, D. G., Le Bas, T., Faria, B.:** Seamounts at the Cape Verde Islands: The Geosphere-Hydrosphere-Biosphere Connection. First Seamount Biogeosciences Network (SBN) Workshop, Scripps Institution of Oceanography, La Jolla, California, USA, 24.03.-25.03.2006.
- Hansteen, T.H., Longpré, M.-A., Troll, V.R., Walter, T.R.:** Decompressional volcanism following giant landslide events at a Miocene shield-volcano, Teno, Tenerife: evidence from field observations, augite and olivine chemistry, and chemical thermobarometry. AGU Fall Meeting, San Francisco, USA, 11.12.-15.12.2006.
- Hauff, F., Hanan, B., Hoernle, K.A., Kokfelt, T.F., Christie, D., Werner, R.:** Influx of Different Galapagos Plume Components to the Galapagos Spreading Center: Evidence From Sr-Nd-Pb-Hf Isotope Variations in Axial Lavas Between 86W and 92.5W. AGU Fall Meeting, San Francisco, USA, 11.12.-15.12.2006.
- Heesemann, M., Grevemeyer, I., Villinger, H.W., Contreras-Reyes, E., Scherwath, M., Völker, D., TIPTAQ Working Group,** Thermal state of the seismogenic plate boundary in Southern Chile, 36-46°S. AGU Fall Meeting, San Francisco, USA, 11.12.-15.12.2006.
- Hetzinger, S., Pfeiffer, M., Dullo, W.-Chr., and Ruprecht, E.:** Reconstructing variability of past sea surface conditions using coral records from three sites in the Caribbean Sea. *Geophysical Research Abstracts*, Vol. 8, 01910, 1607-7962/gra/EGU06-A-01910, EGU General Assembly, Vienna, Austria, 02.04.-08.04.2006.
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- Hoffmann, L., Peeken, I., and Lichte, K.:** Species Specific Physiological Response of Southern Ocean Diatoms to Iron, Silicate and Light Co-Limitation. 13<sup>th</sup> Ocean Sciences Meeting, Honolulu, USA, 20.02.-24.02.2006.
- Hüttel, S., Böning, C.W., and Biastoch, A.,** 2006: Manifestation of decadal MOC variability in the upper-layer tropical Atlantic. EGU General Assembly, Vienna, Austria, 05.04.2006.
- Immler, F., Krüger, K., and Schrems, O.:** Sub-visible cirrus clouds in the upper troposphere: A comparison of lidar observations with ECMWF operational analysis data. EGU General Assembly, Vienna, Austria, 06.04.2006.
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## Poster Presentations

## Poster Presentations

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## Poster Presentations

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- Steinhoff, T. and Körtzinger, A.:** pCO<sub>2</sub> measurements in the North Atlantic Ocean – Does the delta pCO<sub>2</sub> change? Maspalomas, Gran Canaria/Spain, 2<sup>nd</sup> Annual CarboOcean Meeting, 04.12.-08.12.2006.
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- Sundaarc subduction zone: new insights of the Central Java part. EGU General Assembly, Vienna, Austria, 02.04.-07.04.2006
- Tanhua, T., Biastoch, A., Körtzinger, A., Lüger, H., Böning, C., and Wallace, D.W.R.:** Decadal Variations in Ocean Interior Circulation and Biogeochemistry: Results from the CLIVAR/CO<sub>2</sub> Repeat Hydrography Program. 13<sup>th</sup> Ocean Science Meeting, Honolulu, USA, 20.02.-24.02.2006.
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- van Nieuwenhove, N., Bauch, H.A.,** and Matthiessen, J.: A comparative study of past surface ocean properties in the subarctic using dinocysts and foraminiferal assemblages. EGU General Assembly, Vienna, Austria, 03.04.2006.
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**Wittwer, A., Flüh, E.R., Kopp, H.**, Rabbel, W., Wagner, D., Barckhausen, U.: Investigation of the Sundaarc subduction zone off Central Java. DGG Bremen, 06.03.-09.03.2006

**Wittwer, A., Flüh, E.R., Kopp, H.**, Rabbel, W., Wagner, D., Barckhausen, U.:

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Wombacher, F., **Eisenhauer, A., Böhm, F.**, Gussone, N., Kinkel, H., Lezius, J., **Noé, S., Regenberg, M., Rüggeberg, A., and Schönfeld, J.**: Magnesium Stable Isotope Compositions in biogenic CaCO<sub>3</sub>. EGU General Assembly, Vienna, Austria, 05.04.2006.

**Worzewski, T., Jegen, M.**, Franke, A.: Marine MT experiment on a subduction zone, 18th International Workshop on Electromagnetic Induction in the Earth. El Vendrell, Spain, 17.09.-23.09.2006.

Yassaa, N., Colomb, A., Williams, J., **Peeken, I.**, and **Lochte K.**: Laboratory determination of VOCs emitted by five phytoplankton. EGU General Assembly 2006, Vienna, Austria, 02.04.-07.04.2006.

Yool, A., Anderson, T., Sinha, B., and **Oschlies, A.**: Light and heat: influence on phytoplankton growth and export in a global ocean model. EGU General Assembly 2006, Vienna, Austria, 02.04.-07.04.2006.

**Zillmer, M., Kopp, H., Flüh, E.R., Greve-meyer, I., Krabbenhöft, A., Papenberg, C., Weinrebe, W.**, Franke, D.: Three wide-angle seismic experiments offshore Sumatra in March 2006 during cruise RV SONNE 186-3 in the frame of the SEACAUSE project. Workshop Off-shore Studies of the Andaman-Sumatran Earthquakes, Hannover, 22.05.-23.05.2006.

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**Zumholz, K.**, Hansteen, T.H., Hillion, F., Horreard, F., and **Piatkowski, U.**: Trace element distribution in cephalopod statoliths: NanoSIMS provides new insights into nano-scale structure. Cephalopod International Advisory Council Symposium "Cephalopod life cycles", Hobart, Australia, 06.02.-10.02.2006.

**Zumholz, K., Hansteen, T.H.**, Klügel, A., and **Piatkowski, U.**: Earstone composition reflects migration behaviour of the Greenlandic squid *Gonatus fabricii*. 8<sup>th</sup> European Workshop on Laser Ablation in Elemental Analysis, ETH Zürich, Switzerland, 19.-21.07.2006.

Zürn, C.M., Prendergast, G.S., Hansson, L., **Bers, A.V.**, Head, R.M., and Thomason, J.C.: The effect of glass transition, temperature and

surface energy on *Semibalanus balanoides* cyprid settlement. 13<sup>th</sup> International Congress on Marine Corrosion and Fouling, Rio de Janeiro, Brazil, 23.07.-28.07.2006.

## Poster Presentations



## 6.4 Public Lectures (86)

**Bange, H.W.:** Die Rolle der frühen Erdatmosphäre für die Evolution auf der Erde. Universität Kiel, 03.07.2006.

**Bröckel, von, K.:** Das modernste deutsche Forschungsschiff: die „Maria S. Merian“ - von der Planung bis zur ersten Fahrt ins Eis. Deutschen Schifffahrtsmuseum, Bremerhaven, 05.09.2006.

**Bumke, K.:** Globaler und regionaler Klimawandel. Kommunalkonferenz Energie, Energieeffizienz in der kommunalen Praxis und Chancen einer Netzworkebildung in der Region, Oldenburg, 13.02.2006.

**Bumke, K.:** Globaler und regionaler Klimawandel. Seniorenakademie, Travemünde, 13.04.2006.

**Bumke, K.:** Klimawandel und seine Auswirkungen. Besuch Gymnasium Elmschenhagen am IFM-GEOMAR, Kiel, 15.02.2006.

**Dengg, J.:** Physik des Ozeans. Fachtag „Meer“ des Städtischen Gymnasiums Bad Segeberg. Bad Segeberg, 09.02.2006.

**Dullo, W.-Chr.:** Konzeption, Bau und erste Forschungsfahrt des FS Maria S. Merian. Marine Reunion, Hamburg, 12.12.2006.

**Hanel, R.:** Der Aal – eine bedrohte Tierart. 9. Maasholmer Meereskundliche Vorträge, Naturerlebniszentrum Maasholm, 16.05.2006.

**Imhoff, J.F.:** Leben unter Extrembedingungen. Schleswig-Holsteinische Universitätsgesellschaft Kiel. Albersdorf, 27.06.2006.

**Imhoff, J.F.:** Medikamente aus dem Meer. Schleswig-Holsteinische Universitätsgesellschaft Kiel. Kulturkreis Malente, 19.01.2006.

**Imhoff, J.F.:** Medikamente aus dem Meer. Schleswig-Holsteinische Universitätsgesellschaft Kiel. Heimatmuseum Heiligenhafen, 15.03.2006.

**Imhoff, J.F.:** Medikamente aus dem Meer. Schleswig-Holsteinische Universitätsgesellschaft Kiel. Naturkundemuseum Niebüll, 28.03.2006.

**Imhoff, J.F.:** Neue Medikamente aus dem Meer. Schleswig-Holsteinische Universitätsgesellschaft Kiel. Büsum, 28.09.2006.

**Imhoff, J.F.:** Neue Medikamente aus dem Meer. Schleswig-Holsteinische Universitätsgesellschaft Kiel. Universität Kiel, Hörsaal C, 13.11.2006.

**Karstensen, J.:** Beobachtung des Ozeans, 4. Nationales GCOS Treffen, BTZ des DWD, Langen, 13.06.-14.06.2006.

**Latif, M.:** Der Film „The Day after Tomorrow“ von Roland Emmerich und das Buch „Welt in Angst“ von Michael Chrichtons – der scheinbare Glaubenskrieg um das Klima. Forum für Weiterbildung, Volkshochschule, 12.01.2006.

**Latif, M.:** Laudatio zu Ehren des Lebenswerk von Peter Lustig. 10. DUH-Umwelt-Medienpreis-Verleihung, Berlin, 24.01.2006.

**Latif, M.:** Globaler Klimawandel, ökonomische Auswirkungen, Bedeutung der erneuerbaren Energien. Rathaus, Husum, 26.01.2006.

**Latif, M.:** Anthropogener Klimawandel. Vortragsreihe „Agenda nach Katrina“. Deutsch-Amerikanisches Institut, Heidelberg, 31.01.2006.

**Latif, M.:** Sind wir auf dem Weg in die Klimakatastrophe noch zu retten? Presserunde, Landesbauparkasse, Kiel, 08.02.2006.

**Latif, M.:** Klimawandel aus der Sicht eines Wissenschaftlers. Ratsherren-Runde, Hotel Inter-Continental, Hamburg, 14.02.2006.

**Latif, M.:** Verändert der Mensch das Klima? 6. Staffelseiner Tafelfunde, Schloßhotel Weyberhöfe, Sailauf, 18.02.2006.

**Latif, M.:** Treibhausgase und Klimawandel. 16. Symposium Intensivmedizin und Intensivpflege, Bremen, 22.02.2006.

**Latif, M.:** Hurricanes in den USA. Amerika Gesellschaft und Harvard Club, Hamburg, 02.03.2006.

**Latif, M.:** Verändert der Mensch das Klima? Umweltausschuss des Kirchenkreises, Ev.-Luth. Kirchengemeinde St. Michael, Flensburg, 09.03.2006.

**Latif, M.:** Der globale Klimawandel: Fakt oder Fiktion? Veranstaltung zum Thema „Gemeinsames Handeln heute für die verantwortliche Mobilität von morgen“. Ford Forschungszentrum, Aachen, 12.03.2006.

**Latif, M.:** Verändert der Mensch das Klima? Schleswig-Holsteinische Universitäts-Gesellschaft, Schloss Gottorf, Schleswig, 14.03.2006.

**Latif, M.:** Der globale Klimawandel. EnBW-Energieforum, Berlin, 17.03.2006.

**Latif, M.:** Der globale Klimawandel. EnBW-Energieforum, Hannover, 23.03.2006.

**Latif, M.:** 20 Jahre nach Tchernobyl. Veranstaltung „Schüleruni T+20 – Energie und Klima“, Freie Universität, Berlin, 24.03.2006.

**Latif, M.:** Unser Planet bittet um Aufmerksamkeit. 2. Internationaler Umwelttag mit ausländischen Studierenden „Global denken und lokal handeln“, Universität, Stuttgart, 29.03.2006.

**Latif, M.:** Klimawandel und die zu erwartenden Auswirkungen. Jahrestagung „Sach-Schaden“ der Württembergische Versicherung AG, Stuttgart, 29.03.2006.

**Latif, M.:** Was ist dran am Klimawandel? Zur Notwendigkeit von Investments im Klimaschutz. Dow Jones/3C-Konferenz, „Klimaschutz – Investment und Finanzierung“, Frankfurt, 30.03.2006.

**Latif, M.:** Verändert der Mensch das Klima? Fachtagung „Sach-Schaden“, Leipzig, 06.04.2006.

**Latif, M.:** Die Folgen des Klimawandels. BUND-Ortsgruppe Salem und Umweltgruppe Salem – Fraktion des Gemeinderats, Schule Schloss Salem, Salem, Switzerland, 08.04.2006.

**Latif, M.:** Klimawandel. Messe „Neckar-Alb-regenerativ“, Stadthalle, Balingen, 08.04.2006.

**Latif, M.:** Climate Change – what does Science know today? Ankelehe Conversations Symposium 2006 „The Heat is on – Climate Change and the Oil Endgame“, Gut Ankelehe, Bad Bederkesa, 19.05.2006.

**Latif, M.:** Herausforderung globaler Klimawandel. HOCHTIEF, Essen, 23.05.2006.

**Latif, M.:** Herausforderung „Globaler Klimawandel“. Tag der schleswig-holsteinischen Bauwirtschaft zum Thema „Klimawandel in Politik und Umwelt – Chancen für die norddeutsche Bauwirtschaft“, Hotel Maritim, Kiel, 13.06.2006.

**Latif, M.:** Verändert der Mensch das Klima. 30-jähriges Bestehen des Fördervereins Forschungsstation Medizinische Klimatologie e.V., Westerland (Sylt), 30.06.2006.

**Latif, M.:** Der menschliche Einfluss auf das

Klima. Eröffnung des 4. Europa-Kollegs 2006, „Mensch und Umwelt in Europa“, Wolfenbüttel, 16.07.2006.

**Latif, M.:** Verändert der Mensch das Klima? Maasholmer Meereskundliche Vorträge, NEZ, Maasholm, 22.08.2006.

**Latif, M.:** Verändert der Mensch das Klima? Elbeforum, Landesverband der Wasser und Bodenverbände Schleswig-Holstein, Brunsbüttel, 05.09.2006.

**Latif, M.:** Gast beim Abendgespräch „Zukunfts-szenario“. Eschborner Fachtage 2006 WISSEN MACHT ENTWICKLUNG – Erfahrung teilen, Neues gestalten. GTV, Eschborn, 05.09.2006.

**Latif, M.:** Klimawandel und Wetterextreme. 3. Internationale Fachmesse und Kongress für Hochwasserschutz, Klimafolgen und Katastrophenmanagement, „acqua alta 06“, Congress Center, Hamburg, 13.09.2006.

**Latif, M.:** Expertengespräch Umweltforum – „Hochwasser- und Küstenschutz in Zeiten des Klimawandels“, „acqua alta 06“, Congress Center, Hamburg, 14.09.2006.

**Latif, M.:** Pressekonferenz „Changing Climate“. EnBW Klimakonferenz, Berlin, 15.09.2006.

**Latif, M.:** Herausforderung globaler Klimawandel. HOCHTIEF Führungskräfte-Tagung, Hotel The Ritz-Carlton, Wolfsburg, 15.09.2006.

**Latif, M.:** Globaler Klimawandel. Vorstandsveranstaltung Julius Baer Investment Funds Services Ltd, Weggis, Switzerland, 22.09.2006.

**Latif, M.:** Verändert der Mensch das Klima? Schleswig-Holsteinische Universitäts-Gesellschaft, Johann-Rist-Gymnasium, Wedel, 05.10.2006.

**Latif, M.:** Herausforderung globaler Klimawandel. 8. Herbstforum Altbau „Mehr Klimaschutz durch Energieberatung“, Berlin, 08.10.2006.

**Latif, M.:** Presseveranstaltung zur Premiere des Al-Gore-Films „Eine unbequeme Wahrheit“. Berlin, 08.10.2006.

**Latif, M.:** Herausforderung globaler Klimawandel. 27. IKK Internationale Fachmesse „Klima, Kälte, Lüftung“, Nürnberg, 18.10.2006.

**Latif, M.:** Globale Aspekte des Klimawandels. Landesanstalt für Umwelt, Messungen und Naturschutz Baden-Württemberg (LUBW), 3. Symposium „Klimaveränderung und Konsequenzen für die Wasserwirtschaft“, Stuttgart, 25.10.2006.

**Latif, M.:** Podiumsgast. Sonderfilmvorführung Al-Gore-Films „Eine unbequeme Wahrheit“, Abaton Kino, Hamburg, 27.10.2006.

**Latif, M.:** Herausforderung Klimaschutz – die naturwissenschaftliche Perspektive. 10. Hessische Klimaschutzforum „Klimaschutz – Innovationsmotor für das 21. Jahrhundert?“, Wiesbaden, 02.11.2006.

**Latif, M.:** Globaler Klimawandel: eine Herausforderung. Wissenschaftsevent „Highlights der Physik 2006 – Wellen Welten“, Kongress-Zentrum, Bremen, 07.11.2006.

**Latif, M.:** Klimawandel und Wetterextreme: Ist der Klimawandel noch zu stoppen? Veranstaltungsreihe „Information und Kommunikation im Logenhaus“, Hamburg, 09.11.2006.

**Latif, M.:** Hitzerekord und Jahrhundertfluten – Herausforderungen des Klimawandels für die Zukunftssicherung. Öffentliche Mitgliederversammlung des GDV (Gesamtverband der Deutschen Versicherungswirtschaft e.V.), Berlin, 16.11.2006.

16.11.2006.

**Latif, M.:** Verändert der Mensch das Klima?“. Fraktion der Grünen im Gemeinderat von Schwäbisch Gmünd, Stuttgart, 16.11.2006.

**Latif, M.:** Verändert der Mensch das Klima? Schleswig-Holsteinische Universitäts-Gesellschaft, Oldenburg, 21.11.2006.

**Latif, M.:** Ausmaß und Folgen des Klimawandels – Notwendige (Gegen-) Maßnahmen aus der Sicht der Klimaforschung. DB-Veranstaltung „Europäische Rahmenbedingungen zur Bewältigung der umwelt- und klimapolitischen Herausforderungen des 21. Jahrhunderts – Schlüsselrolle der europäischen Verkehrspolitik“, Brussels, Belgium, 28.11.2006.

**Latif, M.:** Der Ozean als wichtigster Klimaregulator. Klimaimpulse aus dem Meer – gerät der Ozean aus dem Takt. Parlamentarischer Abend des KDM und DFG-Senatskommission, Berlin, 29.11.2006.

**Latif, M.:** Bringen wir das Klima aus dem Takt? Über Klimaveränderungen und Klimaschutz. Podiumsteilnahme, Politischer Club Gießen, Gießen, 30.11.2006.

**Latif, M.:** Gastredner für die Ökologiedebatte. Bundesdeligiertenkonferenz BÜNDNIS 90/Die Grünen, Köln, 02.12.2006.

**Latif, M.:** Herausforderung globaler Klimawandel. Im Rahmen des Begleitprogramms der Ausstellung „Abenteuer Raumfahrt“, Landesmuseum für Technik und Arbeit, Mannheim, 07.12.2006.

**Latif, M.:** Verändert der Mensch das Klima? Rietschel-Symposium, Forschungszentrum Borstel, 13.12.2006.

**Latif, M.:** Verändert der Mensch das Klima? Ernst-Abbe-Kolloquium, Jenaer-Zeiss-Planetarium, Jena, 14.12.2006.

**Meyerhöfer, M.:** Blaualgen: Ursachen des Vorkommens / Wie gehe ich als Hafenbetreiber damit um? Landesinnung des Boots- und Schiffbauer-Handwerks in Schleswig-Holstein, 06.12.2006.

**Petersen, S.:** Black Smoker: Einzigartige Systeme und potentielle Rohstofflieferanten am Meeresgrund. VFMG Bezirksgruppe Wuppertal, Wuppertal, 20.10.2006.

**Piatkowski, U.:** Giganten der Tiefsee: Kraken, Kalmare & Co. 9. Maasholmer Meereskundliche Vorträge, Naturerlebniszentrum Maasholm, 08.08.2006.

**Schulz, K.G.:** Ozeanversauerung, Fluch und Segen zugleich. 9. Maasholmer Meereskundliche Vorträge, Maasholm, 27.06.2006.

**Siedler, G.:** Der Ozean und unser Klima. Unterrichtsprojekt Wissenschaftsorientierung, Gymnasium Herderschule Rendsburg, 15.05.2006.

**Sommer, S.:** Gashydrate – Energiequelle der Zukunft oder Gefahr für das Klima. Eislingen, xx.11.2006.

**Sommer, S.:** Gashydrate – Monster der Tiefsee, Veranstaltung des Deutsch-Norwegischen Studienzentrums, Kiel, Oktober 2006.

**Spielhagen, R.F.:** Meereis und Strömungen in der Arktis – Entstehung und Klimawirksamkeit. Fachtag „Meer“ für den 11. Jahrgang des Städtischen Gymnasiums Bad Segeberg, Bürgersaal im Rathaus der Stadt Bad Segeberg, 09.02.2006.

**Visbeck, M.:** Verändert sich die Zirkulation im Atlantischen Ozean? Aquariumsvortrag zur Kie-ler Woche Kiel, 22.06.2006.



## Public Lectures

**Wallmann, K.:** The Future Ocean. Aquariumsvortrag, Kieler Woche, 19.06.2006.

**Wallmann, K.:** The Future Ocean. Europäisches Forum Meerespolitik, Kiel, 25.11.2006.

**Wallmann, K.:** The Future Ocean. IHK Kiel, 13.03.2006.

**Wallmann, K.:** The Future Ocean. IHK Kiel, 14.11.2006.

**Wallmann, K.:** The Future Ocean. 9. Maasholmer Meereskundliche Vorträge, Maasholm, 05.09.2006.

**Wallmann, K.:** Marine Gashydrates. EU Parliament, Bruxelles, Belgium, 20.09.2006.

**Wallmann, K.:** The Future Ocean. Ringvorlesung, Universität Kiel, 18.10.2006.

**Wallmann, K.:** The Future Ocean. Senat der CAU, 14.11.2006.

**Wallmann, K.:** The Future Ocean. Universitätsempfang der Stadt Kiel, 07.12.2006.

## 7. Scientific Exchange & Cooperation

### 7.1 Visitors at IFM-GEOMAR (longer than 2 weeks)

**Abramova, E.:** Lena Delta Reserve, Tiksi, Sakha Republic, Russia, 03.11.-01.12.2006.

**Agurto, C.:** Universidad de Concepción, Chile. DAAD PhD, 01.04.2003-31.12.2006.

**Anil Kumar, P.:** Jawaharlal Nehru Technological University, Hyderabad, India. DAAD Exchange Programme, 01.09.-30.11.2006.

**Baranov, B.:** P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences, Moscow, Russia, 02.01.-20.01.2006., 30.11.-28.12.2006.

**Belozersky, G.:** St. Petersburg State University, St. Petersburg, Russia, 14.02.-28.02.2006.

**Berndt, C.:** Head of Fluid Flow Group, National Oceanography Centre, Southampton, UK, 14.08.-28.08.2006.

**Biescas Gorriz, B.:** Unidad de Tecnología Marina – CMIMA-CSIC, Barcelona, Spain, 10.10.-10.11.2006.

**Bindoff, N.:** University of Tasmania, Australia, 14.06.-19.09.2006.

**Bonsang, B.:** Laboratoire des Sciences du Climat et de l'Environnement, Paris, France, 05.01.-03.02.2006.

**Canning-Clode, J.:** Univ. Funchal, Portugal, DAAD PhD, since 01.01. 2006.

**Coelho, Telma, L.P.:** Faculty of Marine Sciences and Environment, University of the Algarve, Faro, Portugal. Socrates Exchange Program, October 2005 – February 2006.

**Corrales Cordero, E.:** Universidad Nacional de Costa Rica, San José, Costa Rica, 27.05.-23.08.2006.

**Custer, T.:** Max-Planck-Institute for Chemistry, Mainz, 05.01.-03.02.2006.

**Dobretsov, S.:** University Hong Kong. Humboldt Postdoc Fellow, since 01.04.2006.

**Dorador, C.:** Universidad de Chile, Chile. DAAD PhD, 01.04.2004-01.04.2007.

**Eero, M.:** University of Southern Denmark, Odense, October 2005 - 30.01.2006.

**Emery, W.J.:** University of Colorado, USA, 10.09.2005 – 28.02.2006.

**Fedorova, I.:** St. Petersburg State University, St. Petersburg, Russia, 31.03.-30.04.2006.

**Gary, S.:** Duke University, Durham, USA, 08.10.-21.10.2006.

**Gebhardt, S.:** Max-Planck-Institute for Chemistry, Mainz, 05.01.-03.02.2006.

**Greatbatch, R.J.:** Dalhousie University, Halifax, Nova Scotia, Canada, 23.04.-05.05.

**Gros, V.:** Laboratoire des Sciences du Climat et de l'Environnement, Paris, France, 05.01.-03.02.2006.

**Gulev, S.K.:** P.P. Shirshov Institute for Oceanology, Moscow, Russia, 16.01.-29.05.2006.

**Henry-Edwards, A.:** Ludwig-Leichhardt Gedächtnisstipendium der Alexander von Hum-

boldt Stiftung, 01.10.2006-30.09.2007.

**Hoving, H.J.:** Department of Marine Biology, University of Groningen, The Netherlands, 15.05.-15.06.2006.

**Irannezhadi, M.R.:** Isfahan University of Technology, Dep. of Mining Engineering, Iran, 01.10.2006-31.01.2007.

**Isla, A.:** Universidad de Oviedo, Spain. Post-doctoral fellowship Fundación Ramón Areces. November 2005 - November 2007.

**Javid, J.:** Gorgan University, Iran. PhD fellowship of the Ministry of Science Research and Technology, Iran, October 2004 - September 2008.

**Jiang, C.L.:** University of Kunming, China, 17.10.2006-11.01.2007.

**Jiang, Y.:** University of Kunming, China, 17.10.2006-30.06.2007.

**Kandilarov, A.:** University of Bergen, Bergen, Norway, 21.08.-05.09.2006.

**Kim, J.:** Korea Ocean Research and Development Institute, Seoul, South Korea, 01.11.2005-04.01.2006.

**Kim, O.K.:** Kangwon National University, Chunchon, Korea. DAAD PhD, 01.04.2004-01.04.2007.

**Laricova, T.:** Russian Academy of Sciences, Moscow, Russia, 01.10.-23.12.2006.

**Li, S.:** Ocean University of China, Qingdao, China, 01.04.2006-31.03.2007.

**Lisitzin, A.P.:** P.P. Shirshov Institute of Oceanology of the Russian Academy of Sciences, Moscow, Russia, 01.02.-28.02.2006.

**Lukacs, H.:** University of Veszprém, Veszprém, Hungary, 05.01.-03.02.2006.

**Makhotin, M.:** State Research Center – Arctic and Antarctic Research Institute, St. Petersburg, Russia, 02.04.-29.04.2006.

**Mara, V.:** Environmental Chemical Processes Laboratory, Crete, Greece, 05.01.-03.02.2006.

**Mihalopoulos, N.:** Environmental Chemical Processes Laboratory, Crete, Greece, 05.01.-03.02.2006.

**Mironov, N.:** Vernadsky Institute, Moscow, Russia, 01.11.-22.12.2006.

**Mitova, M.:** University New Zealand. Humboldt Fellowship, 01.11.2006-31.10.2007.

**Platz, T.:** Massey University, Palmerston North, New Zealand, 01.11.-22.12.2006.

**Polyakova, Y.I.:** Moscow State University, Moscow, Russia, 01.02.-28.02.2006.

**Sarda-Estève, R.:** Laboratoire des Sciences du Climat et de l'Environnement, Paris, France, 05.01.-03.02.2006.

**Sasikala, Ch.:** Jawaharlal Nehru Technological University, Hyderabad, India. DAAD Exchange Programme, 01.03.-25.03.2006.

**Savelyev, D.:** Institute of Volcanology and Seismology, Petropavlovsk, Russia, 01.04.-30.04.2006.

### Visitors at IFM-GEOMAR

## Visitors at IFM-GEOMAR

**Shahnaz, L.:** University of Karachi, Pakistan, 28.11.2006-30.11.2007.

**Srinivas, T.N.R.:** Jawaharlal Nehru Technological University, Hyderabad, India, DAAD Exchange Programme, 14.12.2005-14.03.2006.

**Stepanova, A.:** Paleontological Institute of the Russian Academy of Sciences, Moscow, Russia, 11.12.2005-10.01.2006, 05.11.-04.12.2006.

**Taldenkova, E.:** Moscow State University, Moscow, Russia, 19.11.-22.12.2006.

**Taylor, W.:** OSIVAM, RSN, San José, Costa Rica, 27.05.-20.06.2006.

**Tu, C.-Y.:** National Chung-Hsing University, Taichung, Taiwan, 22.05.-18.06.2006.

**Vanneste, H.:** National Oceanography Centre, Southampton, UK, 16.10.2006-18.02.2007.

**Vrekoussis, M.:** Environmental Chemical Processes Laboratory, Crete, Greece, 05.01.-03.02.2006.

**Williams, J.:** Max-Planck-Institute for Chemistry, Mainz, 05.01.-03.02.2006.

**Yang, S.:** China, 05.04.2006-31.03.2007.

**Yassaa, N.:** Max-Planck-Institute for Chemistry, Mainz, 05.01.-03.02.2006.

**Zhai, X.:** Dalhousie University, Halifax, Canada, 02.10.-14.10.2006.

**Zhang, Prof. Dr. Guiling,** College of Chemistry and Chemical Engineering, Ocean University of China, Qingdao, PR China, 15.03.-29.03.2006.

**Zhiguo, Yu:** Faculty of Pharmaceutical Analysis, Shenyang Pharmaceutical University China, 08.11.2006-31.10.2007.

## 7.2 Visits by IFM-GEOMAR staff (longer than 2 weeks)

**Bers, V.:** NIOZ, The Netherlands, 11.09.-29.09.2006.

**Bialas, J.:** Geological and Nuclear Sciences Ltd. (GNS), Lower Hutt, New Zealand, 20.11.-24.11.2006.

**Böning, C.:** CSIRO, Hobart, Tasmanien, 21.10.2006-04.03.2007.

**Clemmesen, C.:** DFG Research Fellowship, University of Rhode Island, Graduate School of Oceanography, USA, 01.09.2005-31.08.2006.

**Hetzinger, S.:** JSPS Research Fellowship, Hokkaido University, Graduate School of Science, Department of Natural History Sciences, Japan, 01.08.2006-08.09.2006.

**Hielscher, N.:** Socrates Exchange Program, Faculty of Marine Sciences and Environment, University of the Algarve, Faro, Portugal, September – November 2006.

**Lankhorst, M.:** Guest visit, Scripps Institution of Oceanography, San Diego, USA, 01.02.-03.03.2006.

**Müller, M.N.:** Institute of Earth Sciences, Hebrew University of Jerusalem, Israel, 17.05.-31.05.2006

**Pfeiffer, M.:** JSPS Research Fellowship, Hokkaido University, Graduate School of Science, Department of Natural History Sciences, Japan, 01.08.2006-31.01.2007.

**Piatkowski, U.:** Research visit within the Census of Marine Life Project MAR-ECO Bergen Museum, University of Bergen, Norway, 29.08.-14.09.2006.

**Rohde, S.:** DAAD-Research Fellowship, University of North Carolina, USA, 01.10.-15.12.2006.

**Tank, M.:** DAAD Exchange Programme, Jawaharlal Nehru Technological University, Hyderabad, India, 01.02.-24.02.2006.

**Tank, M.:** DFG Research Fellowship, Jawaharlal Nehru Technological University, Hyderabad, India, 14.11.-14.12.2006.

**Thetmeyer, H.:** Scottish Association for Marine Science, Dunstaffnage Marine Laboratory, Oban, Scotland supported by the North Atlantic Fisheries College, Scalloway, 21.07.-15.08.2006.

**Völker, D.:** Pacific Geoscience Center (PGC), Institute of Ocean Science (IOS), Sidney, BC, Canada, 26.09.-12.10.2006.



### 7.3 Conferences & Meetings (organized by IFM-GEOMAR staff)

**Behrmann, J.H.:** ICDP Workshop on Fault Zone Drilling, Miyazaki, Japan, 23.05.-26.05.2006.

**Böning, C.W.:** ASOF Conference, Faroers, 28.06.-02.07.2006.

**Dengg, J.:** CarboNordic Starthilfe Workshop, Kiel, 18.05.-19.05.2006.

**Dengg, J.:** Meeresforschung am IFM-GEOMAR, Kiel, 10.11.2006.

**Devey, C.W. and, Lackschewitz, K.S.:** Workshop "Future studies in the framework of the priority program 1144", IFM-GEOMAR, Kiel, 16.11.2006.

**Devey, C.W., and Visbeck, M.:** "The Future Ocean" First Kieler Symposium, Kiel, 02.10.-04.10.2006.

**Devey, C.W.:** "Polar Ridges" Meeting and Workshop, Sestri Levante, Italy, 20.09.-22.09.2006.

**Devey, C.W.:** InterRidge Steering Committee Meeting, Moscow, Russia, 14.06.-16.06.2006.

**Kläschen, D.:** GO-Workshop & Management Meeting, Brest, France, 04.10.-08.10.2006.

**Lackschewitz, K.S., and Devey, C.W.:** 3. Workshop of the priority program (SPP 1144) „From Mantle to Ocean: Energy-, Material- and Life cycles at spreading axes“, Etelsen/Bremen, 04.07.-06.07.2006.

**Linke, P.:** Statusseminar Gashydrate, Kiel, 07.03.-08.03.2006.

**Netzeband, G.:** Magellan Workshop „Capturing a Salt Giant“, Hamburg, 10.10.-12.10.2006.

**Petersen, S.:** 36<sup>th</sup> Underwater Mining Institute, Kiel, 24.09.-26.09.2006.

**Sommer, U.:** 3<sup>rd</sup> AQUASHIFT Workshop, Kiel, 14.-16.11.2006

### 7.4 Colloquia & Seminars at IFM-GEOMAR

#### Meereswissenschaftliches Kolloquium

#### 06.01.2006

**Dr. Clive J. Fox,** The Centre for Environment Fisheries and Aquaculture Science (CEFAS), Lowestoft Laboratory, Lowestoft, U.K.: "*Recent changes in North Sea cod - abundance, distribution and reproduction - how can we manage the stock in the face of climate change*"

#### 11.01.2006

**Dr. James H. Butler,** NOAA/CMDL, Boulder, CO, USA: "*Air-sea fluxes and boundary-layer concentrations of short-lived halogenated gases*"

#### 20.01.2006

**Prof. Dr. Susanne Crewell,** Meteorologisches Institut, Ludwig-Maximilians-Universität, München: "*Was Mikrowellen über die Atmosphäre verraten*"

#### 27.01.2006

**Prof. Dr. Helmut Hillebrand,** Institut für Botanik, Universität Köln: "*The ecosystem consequences of marine biodiversity loss*"

#### 03.02.2006

**Prof. Dr. Axel Temming,** Institut für Hydrobiologie und Fischereiwissenschaft, Hamburg: "*Räuber-Beute-Modelle der oberen trophischen Ebene der Nordsee: Ein Beitrag zum ökosystemorientierten Fischereimanagement*"

#### 10.02.2006

**Prof. Dr. Gert de Lange,** Department of Earth Sciences, Geochemistry Faculty of Geosciences, Utrecht University, The Netherlands: "*Fluid and gas emissions from eastern Mediterranean mud volcanoes: Active versus passive margin*"

#### 17.02.2006

**Dr. Christian Mueller,** Geowissenschaften, Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven (jetzt Fielax GmbH, Bremerhaven): "*Seismizität der Ostantarktis: Erdbeben, Eisbeben und singende Eisberge*"

#### 21.04.2006

**Dr. Thomas Driesner,** Inst. Isotopengeologie/Mineral.Rohstoffe, Eidgenössische Technische Hochschule Zürich, Schweiz: "*Quantitative Simulation of Hydrothermal Systems: from Porphyry Copper Deposits to Mid Ocean Ridge Systems*"

#### 19.04-20.04.2006 - Sonderkolloquium

- (anlässlich der Wiederbesetzung der W2-Professur für Physikalische Ozeanographie)

**Dr. John Allen,** National Oceanography Centre Southampton, UK: "*Baroclinic instability, a mechanism for enhanced export production, with an uncertain future*"

**PD Dr. Angelo Rubino,** Institut für Meereskunde, Hamburg: "*Aspects of the abyssal oceanic circulation in the eastern Mediterranean basin inferred by in situ measurements*"

## Conferences & Meetings

**Dr. Olaf Boebel**, Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven: *"Marine observing systems for research and conservation: today and tomorrow."*

**Dr. Joanna Waniek**, Institut für Ostseeforschung, Warnemünde: *"From microscale to mesoscale – physical processes and their effects on marine ecosystems"*

**PD Dr. Peter Brandt**, IFM-GEOMAR, Kiel: *"Circulation variability in the tropical Atlantic Ocean"*

**Dr. Alberto Naveira Garabato**, National Oceanography Centre Southampton, UK: *"Southern Ocean mixing in an Earth System context"*

**27.04.2006 - Sonderkolloquium** - (im Rahmen der Besetzung der W3-Professur für Theoretische Ozeanographie)

**PD Dr. Angelo Rubino**, Institut für Meereskunde, Hamburg: *"Modelling oceanic mesoscale coherent features"*

**Dr. I. Polyakov**, IARC, University of Alaska, Fairbanks, USA: *"Recent changes and long-term variations in the Arctic/North Atlantic"*

**Prof. Dr. R.J. Greatbatch**, Dept. of Oceanography, Dalhousie University, Dalhousie, Canada: *"Different perspectives on the transport of heat by the ocean"*

**Prof. Dr. A. Timmermann**, Dept. of Oceanography, University of Hawaii, Honolulu, USA: *"Understanding the climate of the last ice-age: challenges and perspectives"*

**28.04.2006 - Antrittsvorlesung** -  
**Prof. Dr. Kirstin Krüger**, IFM-GEOMAR, Kiel: *"Die mittlere Atmosphäre im Klimawandel"*

**05.05.2006**  
**Dr. Stefan Garthe**, Forschungs- und Technologiezentrum Westküste (FTZ), Bismar: *"Seevögel als Indikatoren für Veränderungen in marinen Ökosystemen"*

**12.05.2006**  
**Prof. Dr. Karin Labitzke**, Institut für Meteorologie, Freie Universität Berlin: *"Sunspots, the 'Quasi Biennale Oscillation', and the Stratosphere in the North Polar Region – 20 Years later"*

**15.05.2006 - Sonderkolloquium „Experimentelle Planktonökologie“** - (im Zusammenhang mit der Besetzung der Juniorprofessur „Biologische Meereskunde")

**Dr. Nicole Aberle-Malzahn**, IFM-GEOMAR, Kiel: *"Pathways through the plankton - using multi-trophic experimental approaches to disentangle food-web interactions"*

**Dr. Inga Hense**, Finnish Environment Institute Helsinki, Finland: *"The role of cyanobacteria life cycle in bloom formation - insights from numerical experiments"*

**Dr. Frank Sommer**, Danish Ministry for Fisheries Research, Dept. Marine Ecology & Aquaculture, Charlottenlund, Denmark: *"The role of mesozooplankton in aquatic ecosystems"*

**Stefanie Moorthi**, University of Southern California, Los Angeles, USA: *"Diversity and trophic interactions in microbial food webs: Combining traditional and molecular techniques to answer ecological questions"*

**24.05.2006 - Antrittsvorlesung** -  
**PD Dr. Joachim Gröger**, BFA Hamburg, Privatdozent für Fischereibiologie an der CAU Kiel: *"Innovative Technologien - neueste technische und methodische Ansätze in der Fischereiforschung Neu-Englands, USA"*

**02.06.2006**  
**Prof. Dr. Andrew Bakun**, Pew Institute for Ocean Science, Rosenstiel School of Marine and Atmospheric Science, University of Miami, Miami, FL, USA: *"Adverse feedback sequences in exploited marine ecosystems: Should disruptive actions be attempted?"*

**23.06.2006**  
**PD Dr. Maarten Boersma**, GKSS Forschungszentrum Geesthacht: *"Die Bedeutung von Nahrungsqualität in der Interaktion zwischen Phytoplankton und Zooplankton"*

**30.06.2006**  
**Prof. Dr. Ehrhard Raschke**, Institut für Meteorologie, Universität Hamburg: *"Kontroverse Ergebnisse zur Strahlungsbilanz der Erde in Messungen und Modellen"*

**07.07.2006**  
**Dr. Friedrich W. Köster**, Danish Institute for Fisheries Research, Charlottenlund, Denmark: *"Challenges to ocean management: Can we achieve sustainable fisheries?"*

**13.07.2006**  
**Dr. Gavin Foster**, University of Bristol, UK: *"Secular variability of Pb isotopes in the North Atlantic as a monitor of glacial-interglacial weathering rate variability"*

**14.07.2006**  
**Dr. Nathan Bindoff**, CSIRO Marine Atmospheric Research and IASOS, University of Tasmania, Hobart, Australia: *"Polynyas, Iceshelves, Antarctic Slope Front, Eddies and Southern Hemisphere Climate"*

**24.10.2006**  
**Prof. Dr. Karl Banse**, School of Oceanography, University of Washington, Seattle, WA, USA: *"Oxygen minimum zone of the central Arabian Sea: From day-to-day, seasonal, and interannual variability to four-decadal trends of oxygen and nitrite"*

**27.10.2006**  
**Dr. Martin Könneke**, Institut für Chemie und Biologie des Meeres, Universität Oldenburg: *"Isolation of the marine, mesophilic Crenarchaeon Nitrosopumilus maritimus implies archaeal autotrophy and nitrification in the Ocean"*

### 03.11.2006 - Antrittsvorlesung -

**PD Dr. Hermann Bange**, IFM-GEOMAR, Kiel:  
"Spurengase im Ozean: Lachgas und Methan"

### 17.11.2006 - Antrittsvorlesung -

**PD Dr. Carsten Eden**, IFM-GEOMAR, Kiel:  
"Effekt und Parameterisierung von Turbulenz im Ozean"

### 24.11.2006

**Dr. Svend Duggen**, IFM-GEOMAR, Kiel: "Subduction zone volcanoes can fertilise the oceans and stimulate phytoplankton growth"

### 01.12.2006

**Joachim Dengg**, IFM-GEOMAR; **Avan Antia**, IFM-GEOMAR; **Götz von Arend**, Gymnasium Wellingdorf; **Ammelie Heinhold**, Freie Waldorfschule Kiel: „NaT-Working Meeresforschung - Ein Netzwerk von Schülern, Lehrern und Wissenschaftlern stellt sich vor“

### 08.12.2006

**Prof. Dr. Volker Thiel**, Zentrum für Geowissenschaften der Universität Göttingen, Geobiologie, Göttingen: "Miniaturised analysis of lipid biomarkers: a new approach for the exploration of geobiological systems"

### 15.12.2006

**Dr. John Church**, CSIRO, Hobart, Australia:  
"Understanding sea-level rise"

## SFB 460 Seminar

### 09.01.2006

**Dr. Rüdiger Gerdes**, Alfred-Wegener-Institut, Bremerhaven: „Süßwasserbilanz des Nordpolarmeeres und Exportereignisse“.

### 16.01.2006

**Dr. Jens Schröter**, Alfred-Wegener-Institut, Bremerhaven: „Ein globales finite Elemente Zirkulationsmodell des Ozeans“.

### 23.01.2006

**Dr. Carsten Eden**, IFM-GEOMAR Kiel: „Interpretation und Bestimmung der Vermischung durch mesoskalige Wirbel im Nordatlantik“.

### 30.01.2006

**Prof. Douglas Wallace/Dr. Toste Tanhua**, IFM-GEOMAR Kiel: "A precise estimate of the anthropogenic CO<sub>2</sub> increase between 1981 and 2004 from observations in the mid-latitude North Atlantic".

### 27.03.2006

**Jim Ledwell**, Woods Hole Oceanographic Institution, MA, USA: "Tracer Studies of Mixing and Circulation in the North Atlantic".

### 10.04.2006

**Dr. Sergey Gulev**, Shirshov Inst. of Oceanology, Moscow, Russia: "Long-term variability in the North Atlantic air-sea turbulent heat fluxes derived from the 20th-century VOS data".

### 08.05.2006

**Marco A. Giorgetta**, Max-Planck-Institut für Meteorologie, Hamburg: "Effects of the quasi-biennial oscillation near the tropical tropopause".

### 10.05.2006

**Dr. James Girton**, Applied Physics Lab., University of Washington, DC, USA: "Observations of internal waves and upper-ocean physics from a new generation of profiling floats".

### 22.05.2006

**Dr. Jonathan Lilly**, Earth and Space Research, Seattle, USA: "Nonstationary elliptical signals in oceanography".

### 12.06.2006

#### Dr. M. Ollitrault

Laboratoire de Physique des Océans/IFREMER, Plouzane, France: „Open Ocean Regimes of Relative Dispersion: Addressing Two-Particle Dispersion with Float Observations“.

### 19.06.2006

**Prof. J.P. McCreary**, IPRC/SOEST University of Hawaii, HI, USA: "Interactions between the Indonesian Throughflow and circulations in the Pacific and Indian Oceans".

### 03.07.2006

**Dr. Adam Scaife**, Hadley Centre Exeter, UK: "European winter climate, the North Atlantic Oscillation and the stratosphere".

### 10.07.2006

**Prof. J. Marshall**, Massachusetts Institute of Technology, MA, USA: "GFD thought experiments in climate: speculations on the climate of an aquaplanet".

### 11.09.2006

**Dr. Z. Lachkar**, LSCE/IPSL, Gif-sur-Yvette, France: "Mesoscale eddies and the global ocean distributions of CFC-11, bomb C14 and CO<sub>2</sub>".

### 18.09.2006

**Prof. W. Broecker**, Lamont Doherty Earth Observatory of Columbia University, Palisades, NY, USA: "Was there a large isolated glacial age abyssal ocean reservoir?"

### 25.09.2006

**Dr. Marc Lucas**, IFM-GEOMAR Kiel: „Vertical transmission of the atmospheric signal: temperature response of an OGCM“.

### 16.10.2006

**Dr. Samar Khatiwala**, Lamont Doherty Earth Observatory of Columbia University, Palisades, NY, USA: "Anthropogenic carbon uptake by the ocean estimated using transit-time distributions".

### 30.10.2006

**Mark Carson**, Joint Inst. for the Study of the Atmosphere and Ocean (JISAO), USA: "Is the World Ocean Warming? Upper Ocean Thermal Variability and Trends since 1950".

### 13.11.2006

**Dr. Aneurin Henry-Edwards**, Flinders University of South Australia, z. Zt. IFM-GEOMAR Kiel: "TROMP: remote detection of water property changes".

### 27.11.2006

**Dr. Sergey Danilov**, Alfred-Wegener-Institut, Bremerhaven: "Two-dimensional and quasi-geostrophic turbulence: Theory vs. observations".

## Colloquia & Seminars

**04.12.2006**

**Prof. D. Dommenges**, IFM-GEOMAR Kiel:  
"How to detect climate modes".

**11.12.2006**

**Dr. Stuart Cunningham**, National Oceanography Centre, Southampton, UK: "Variability in the Atlantic Meridional Overturning Circulation at 26.5°N".

**18.12.2006**

**Prof. Mojib Latif**, IFM-GEOMAR Kiel: "Die Debatte um die Hurrikane - welchen Einfluss hat die tropische Meeresoberflächentemperatur?"

#### SFB 574 Seminar

**19.01.2006**

**Dr. Rob Evans**, Woods Hole Inst. of Oceanography, Woods Hole, USA: "An electromagnetic survey of seafloor mounds in the Gulf of Mexico"

**06.02.2006**

**Dr. Hubert Staudigel**, Scripps Institution of Oceanography, UCSD, La Jolla, USA: "Vailulu'u Seamount, Samoa: Life and Death at the Edge of An Active Submarine Volcano"

**09.02.2006**

**Ken Heydolph**, SFB574, IFM-GEOMAR, Kiel: "First geochemical results from volcanic front and backarc volcanism in Guatemala, El Salvador and Honduras" (joined with Magmatic Systems Seminar)

**09.02.2006**

**Dr. Timm John**, University of Oslo, Oslo, Norway: "Fluid Flow and Trace-Element Mobilization in Slabs during Blueschist Dehydration: Insights from the High-Pressure Rocks of the Tianshan Mountains, NW China"

**16.02.2006**

**Wendy Perez**, MUHS, IFM-GEOMAR, Kiel: "Geochemistry of the Masaya recent eruptions" (joined with Magmatic Systems Seminar)

**30.03.2006**

**Dr. Robert King**, Lehigh University, Bethlehem, PA, USA: "Unresolved metamorphic problems inside the Subduction Factory"

**31.03.2006**

**Dr. Robert King**, Lehigh University, Bethlehem, PA, USA: "Petrology and geochemistry of metamorphic mélange matrix of the Catalina Schist: A view into the subduction zone slab-mantle interface"

**04.04.2006**

**Armando Saballos**, INETER, Managua, Nicaragua: "AVHRR system to monitor active volcanoes in Central America"

**01.06.2006**

**Dr. Jack Middleburg**, Netherlands Institute of Ecology - NIOO-KNAW, Yerseke, The Netherlands: "Stable isotopes as deliberate tracer in biogeochemistry and ecology"

**06.06.2006**

**Prof. Dr. Cesar Ranero**, Instituto de Ciencias del Mar Centro Mediterráneo de Investigaciones Marinas y Ambientales, Barcelona,

Spain: "Current status of the Costa Rica Seismogenesis Project CRISP"

**07.06.2006**

**Kristin Garofalo**, MUHS, IFM-GEOMAR, Kiel: "Origin, composition and evolution of fumarolic fluids of subduction zone volcanoes in Nicaragua"

**08.06.2006**

**Dr. Waldo Taylor**, Observatorio Sismológico y Vulcanológico de Arenal y Miravalles, Costa Rica: "Seismic signal from Arenal Volcano and seismicity in geothermal fields in Costa Rica"

**13.06.2006**

**Prof. Dr. Orlando Vaselli**, Univ. Firenze, Italy: "The 2002 eruption of Nyiragongo volcano (DR Congo): hazards, monitoring and public awareness"

**20.06.2006**

**Dr. Rolf Kipfer**, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland: "Noble gases as environmental tracers in aquatic systems"

**22.06.2006**

**Ron Hackney**, Department of Geology and Geophysics at the University of Western Australia, Perth, Australia: "New impetus for the application of gravity and magnetic anomalies in subduction zones"

**29.06.2006**

**Marianne Nuzzo**, Univ. Bristol, UK: "Methane biogeochemistry of Gulf of Cadiz mud volcanoes"

**Dietmar Bürk**, SFB574, IFM-GEOMAR, Kiel:

"Mound structures offshore Nicaragua imaged with sidescan sonar"

**Dr. Bert Manzke**, Institut für Ostseeforschung, Warnemünde: "Investigation of the anaerobic oxidation of methane by lipid biomarkers at the Central America Margin, Costa Rica"

**06.07.2006**

**Monika Ivandic**, SFB574, IFM-GEOMAR, Kiel: "Structure and hydration of the subducting plate offshore Nicaragua"

**Dr. Thor Hansteen**, IFM-GEOMAR, Kiel:

"NOVAC: A Global Network for Observation of Volcanic Gas Emissions and studies of Atmospheric Change"

**13.07.2006**

**Dr. Kerstin Lehnert**, Lamont-Doherty Earth Observatory, Palisades, NY, USA: "Geoinformatics: Impact on Geochemical Data and Samples"

**27.07.2006**

**Francois van der Straaten**, Universität Kiel, Kiel: "Retrogressive hydrous reactions during the eclogite-blueschist-transition in metabasic rocks of Tianshan"

**17.08.2006**

**Ken Heydolph**, SFB574, IFM-GEOMAR, Kiel: "Enriched Isotopic composition of the NW Central American Volcanic Arc: Crustal contamination or a sediment slab melt?"

**24.08.2006**

**Dr. Astri Kvassness**, MUHS, IFM-GEOMAR, Kiel: "The entire crust at ultraslow ridges"

**21.09.2006**

**Rieka Harders**, SFB574, IFM-GEOMAR, Kiel: "Do ash layers exert a control on translational sliding offshore Central America?"

**25.09.2006**

**Dr. Ele Willoughby**, Pacific Geoscience Centre, Sidney, BC, Canada: "Innovative Techniques for Assessing Marine Gas Hydrate: Seafloor Compliance & Controlled-Source Electromagnetic Method"

**03.10.2006**

**Cristina Raluca Neagu**, Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS), Sgonico, Italy: "Estimation of biogenic silica concentration in marine sediments using seismic and log data. Sediment drift 7 -Antarctica"

**26.10.2006**

**Oliver Bartdorf**, SFB574, IFM-GEOMAR, Kiel: "Methan im Phanerozoikum: Einflüsse auf die Atmosphäre und die Ozeane"

**06.11.2006**

**Dr. Peter Clift**, Univ Aberdeen, Aberdeen, UK: "Marine Sedimentary Records of Plateau Uplift and Monsoon intensification in Asia"

**07.11.2006**

**Dr. Peter Clift**, Univ Aberdeen, Aberdeen, UK: "Tectonic Erosion, Arc Accretion and Continental Erosion in Constructing and Maintaining the Continental Crust"

**09.11.2006**

**Dr. Svend Duggen**, MUHS, IFM-GEOMAR, Kiel: "Subduction zone volcanoes can fertilise the oceans and enhance marine primary productivity: Implications for global C-cycles and climate development"

**16.11.2006**

**David Buchs**, Université de Lausanne, Switzerland: "Late Cretaceous - Tertiary accretionary processes along the Central American volcanic arc (Southern Costa Rica)"

**05.12.2006**

**Prof. Dr. Kaj Hoernle**, MUHS, IFM-GEOMAR, Kiel: "Spatial and Temporal Geochemical Variations in Central America"

#### Other Seminars

**25.01.2006**

**Dr. Ralf Prien**, Institut für Ostseeforschung, Warnemünde: "Sensor development (not only) for hydrothermal work".

**22.03.2006**

**G. Zhang**, College of Chemistry and Chemical Engineering, Ocean University of China, Qingdao, China, "Nitrous oxide and methane in coastal waters of China".

**21.04.2006**

**Dr. Thomas Driesner**, ETH Zürich, Switzerland: "Quantitative Simulation of Hydrothermal Systems: from Porphyry Copper Deposit to Mid Ocean Ridge Systems".

**12.05.2006**

**Prof. Dr. Klaus Wallmann**, IFM-GEOMAR, Kiel: "The Future Ocean", Stiftungsrat IFM-GEOMAR.

**13.07.2006**

**Dr. K. Lehnert**, Lamont-Doherty Earth Observatory of Columbia University, USA: "Geoinformatica: Impact on Geochemical Data and Samples".

**04.09.2006**

**J. Bruggeman**, Vrije Universiteit Amsterdam, The Netherlands: "A biodiversity-inspired approach to aquatic ecosystem modeling".

**04.09.2006**

**A.W. Omta**, Vrije Universiteit Amsterdam, The Netherlands: "Modeling the effect of the physical environment on the Redfield ratio of phytoplankton".

**13.10.2006**

**Prof. Dr. Klaus Wallmann**, IFM-GEOMAR, Kiel: "Marine Gashydrate", Wissenschaftlicher Rat

**27.10.2006**

**Martin Könnecke**, ICBM, Universität Oldenburg: "Isolation of the marine mesophilic cretarchaeon *Nitrosopumilus maritimus*".

**13.11.2006**

**Angela Landolfi**, National Oceanography Centre, Southampton, UK: "What role do dissolved organic nutrients play in oligotrophic gyres?".

## Colloquia & Seminars



### 7.5 Expert Activities

#### Bange, H.W.:

- Member, CARBOEUROPE-GHG initiative on greenhouse gas emissions from the European Coastal Zone
- Member, Joint SOLAS/IMBER Carbon Implementation Group

#### Behrmann, J.H.:

- Member, Science Advisory Group, International Continental Drilling Program (ICDP)
- Member, Advisory Group, Konferenz der Geowissenschaftlichen Fachbereiche der Bundesrepublik Deutschland (Geokonferenz)
- Member, Board of Governors, GeoForschungszentrum Potsdam

#### Böning, C.W.:

- Chairman, WCRP Working Group for Ocean Model Development
- Member, Science Advisory Board of the German Climate Computer Centre (DKRZ)
- Member, Science Steering Committee of the High-Performance Computing Centre (HLRN)
- Chair, SFB 460 "Dynamik thermohaliner Zirkulationsschwankungen", CAU Kiel

#### Clemmesen, C.:

- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).
- Member, ICES Working Group on Recruitment Processes.

#### Devey, C.W.:

- Chair, Interridge
- Chair, SPP1144 "From Mantle to the Ocean"
- Member, Senatskommission für Ozeanographie
- Member, SCOR (since 2005)

#### Dullo, W.-Chr.:

- Member, Senate Commission of the German Research Council (DFG) for Oceanography
- German representative, CIESM (Commission internationale pour l'exploration scientifique de la mer Méditerranée)
- Chairman, Scientific Advisory Board of Deutsches Meeresmuseum Stralsund
- Chairman, Verein zur Förderung der GeoUnion Alfred-Wegener-Stiftung e.V.
- Member, Executive Committee Geologische Vereinigung
- Member, Scientific Advisory Board, Forschungsdialog: System Erde, Institut für Pädagogik der Naturwissenschaften, Kiel
- Chairman, Board of Governors Bildungsstiftung Schleswig-Holstein
- Founding member and vice chairman, Maritimes Forum, Kiel
- Regular Reviewer for DFG, NSF, NIOZ
- Member, Award Committee for Humboldt- and Wilhelm Bessel Research Awards (Alexander von Humboldt

- Foundation)
- Member, Steering Committee IRCCM, IUB Bremen
- Member, Committee for Scientific Libraries and Information Systems, German Research Council DFG

#### Eisenhauer, A.:

- Member DMG, Sektionsleiter Geochemie

#### Flüh, E.:

- Member, SONNE Review Panel (BMBF)
- Member, Review Panel, CONACIT, Chile
- Member, Review Panel, SCIC, Spain
- Member, Review Panel, IRC, Ireland

#### Frank, M.:

- Scientific Advisor (PhD candidates), ETH, Zürich, Switzerland

#### Froese, R.:

- Member, Species 2000 (Management Team).
- Member, International Committee Ocean Biogeographic Information System (OBIS).

#### Hanel, R.:

- Permanent member of the referee board of the German Academic Exchange Service (DAAD)
- German representative, ICES Mariculture Committee.
- Member, ICES Working Group on Application of Genetics in Fisheries and Mariculture.
- Member, ICES/EIFAC Working Group on Eels.
- Member, ICES Working Group on Marine Fish Welfare.
- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).

#### Hansteen, T.H.:

- Member, Steering Committee of the international NOVAC-Project (Network for Observation of Volcanic and Atmospheric Change)

#### Herzig, P.M.:

- Maritime Coordinator of the State of Schleswig-Holstein
- Chair, German Marine Research Consortium
- Member, "Senat und Hauptausschuss", Deutsche Forschungsgemeinschaft
- Member, Senate Commission on Geosciences, Deutsche Forschungsgemeinschaft
- President, International Marine Minerals Society, USA
- Elected Reviewer, Deutsche Forschungsgemeinschaft
- Advisor, United Nations International Seabed Authority
- Member, Board of Governors, Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), Hannover
- Member, Board of Governors, Alfred Wegener Institut für Polar- und Meeresforschung, Bremerhaven

**Hinrichsen, H.-H.:**

- Member, ICES Working Group on Modelling of Physical/Biological Interactions.

**Hoernle, K.A.:**

- Member, Plume Ridge Interaction Committee, Interridge
- Chair, SFB 574: Volatiles and Fluids in Subduction Zones (from August 2006)

**Hoppe, H.-G.:**

- Vereinigung für Allgemeine und Angewandte Mikrobiologie: Arbeitsgruppe Wasser/Abwasser.

**Imhoff, J.F.:**

- Chairman, ICBS Subcommittee on the Taxonomy of Phototrophic Bacteria.
- Member, Scientific steering committee of the International Symposium of Phototrophic Bacteria.

**Kassens, H.:**

- Director, Otto Schmidt Laboratory for Polar and Marine Research, St. Petersburg.
- Chair, Working group Arctic Shelf Seas of ICARP II (International Conference on Arctic Research Planning).
- Member, Nansen Arctic Drilling Program (NAD).
- Member, Arctic Climate System Study (ACSYS).
- Member, Integrated Ocean Drilling Program (IODP) Detailed Planning Group for Arctic Drilling.
- Member, International Arctic Polynya Programme (AOSB; IAPP).
- Member, Shelf-Basin Exchange Initiative (AOSB; SBE).
- Member, German Committee of the International Arctic Science Committee and the Science Committee on Antarctic Research.
- Member, Kommission unabhängiger Sachverständiger zur Beurteilung der Umweltauswirkungen von Forschungstätigkeiten in der Antarktis.
- Member, Wissenschaftlicher Beirat der Deutschen Gesellschaft für Polarforschung.

**Körtzinger, A.:**

- Scientific Steering Committee of IMBER (Integrated Marine Biogeochemistry & Ecosystem Research)
- Co-Chair of the Joint SOLAS/IMBER Carbon Implementation Group
- Scientific Steering Group des IOCCP (International Ocean Carbon Coordination Project)
- CLIVAR (Climate Variability & Predictability) Atlantic Panel
- Konvent der Math.-Nat. Fakultät
- Habilitationsausschuss der Math.-Nat. Fakultät

**Kraus, G.:**

- Member, ICES Planning Group on Cod and Plaice Egg Surveys in the North Sea.
- Member, ICES Study Group on Baltic Fish and Fisheries Issues in Support of the Baltic Sea Regional Project.
- Member, ICES Working Group on

Baltic Fisheries Assessment Working Group.

- TOR Co-leader, Northwest Atlantic Fisheries Organization (NAFO): Scientific Council Working Group on Reproductive Potential.

**Kubetzki, U.:**

- Member, ICES Working Group on Sea-bird Ecology.
- Board Member, German Council for Bird Preservation.
- Member, Study Group on Multispecies Assessments in the North Sea. ICES SGMSNS

**Lehmann, A.:**

- Member, DFN-Verein
- Member, BALTEX Scientific Steering Group
- Chair, Writing Team of BALTEX Phase II Science Framework and Implementation Strategy
- Chair, BALTEX Working Group on BAL-TIC GRID
- Member BALTEX Working Group on Data Management

**Lochte, K.:**

- Chair, wissenschaftlichen Kommission des Wissenschaftsrates
- Chair, Senatskommission der DFG für Ozeanographie
- Chair, Institut für Chemie und Biologie des Meeres (ICBM), Universität Oldenburg
- Vice-chair, Scientific Committee of IGBP (International Geosphere-Biosphere Programme)
- Member, Wissenschaftsrat
- Member, Bewilligungsausschuss der Exzellenz Initiative, Deutsche Forschungsgemeinschaft
- Member Advisory Board, Akademie der Wissenschaften in Hamburg
- Member, Scientific Advisory Board, Max-Planck-Institut für Marine Mikrobiologie, Bremen
- Chair, Scientific Advisory Board, Wissenschaftspreis der Annette-Barthelt-Stiftung für junge Meeresforscher
- Jury Wissenschaftspreis WGL "Society needs science"

**Nürnberg, D.:**

- Convenor of Workshop: "Fossilien als geochemische Informationsträger". Jahrestagung deutscher Paläontologen, Institut für Geowissenschaften, Universität Kiel, 31.08.06.

**Macke, A.:**

- Member, Advisory Board, Zweigverein Hamburg der Deutschen Meteorologischen Gesellschaft
- Member, Meteosat Third Generation Mission Team
- Reviewer for BMBF, NWO/SRON, DFG

**Oschlies, A.:**

- Member, SCOR GEOTRACES Planning Group

**Piatkowski, U.:**

- German representative, ICES Living Resources Committee.

## Expert Activities

- Member, ICES Working Group on Cephalopod Life Cycles and Fisheries.
- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).
- Member, Scientific Steering Committee, Census of Marine Life (CoML) pilot project: Patterns and processes of the ecosystems of the northern mid-Atlantic (MAR-ECO).
- Member, Scientific Advisory Board of the Annette-Barthelt-Foundation.
- Member, Cephalopod International Advisory Council (CIAC).

### Reston, T.:

- Chair SFB574: Volatiles and Fluids in Subduction Zones (until August 2006)
- German Representative, Scientific Steering Committee, ESF-Euromargins
- Member, Marine Studies Group of the Geological Society of London, UK
- Reviewer IFREMER, IODP, and UK-NEERC proposals

### Riebesell, U.:

- Member of Faculty of 1000, section 'Global Change Ecology'
- Co-Chair, IGBP Fast Track Initiative 'Ocean Acidification'
- Board of directors, Excellence Cluster "The future Ocean"
- Member, Programme Committee for IOC/SCOR/IGBP Conference "The Ocean in a High CO<sub>2</sub> World", Monaco, 2008

### Rumohr, H.:

- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK)
- Chairman, ICES Benthos Ecology Working Group.
- Chairman, ICES Marine Habitat Committee.
- Member, ICES ACME (Advisory Committee for the Environment).
- Member, ICES Consultative Council.
- Erasmus Beauftragter, IFM-GEOMAR für Aberdeen, Tromsø und Barcelona.
- MARBEF Project Data archeology and data bases.

### Schmidt, J.O.:

- Member, ICES Working Group on Zooplankton Ecology.

### Schnack, D.:

- Chair, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).
- Member, ICES, Council of national delegates.
- Member, ICES Planning Group for Herring Surveys in the North Sea.
- Member, ICES Publication Committee
- Member, Scientific Advisory Board, Deutscher Fischereiverband.

### Schönfeld, J.:

- Foraminifera Group Chair, The Micropalaeontological Society
- Regular Member, Subkommission für Kreide-Stratigraphie

### Spielhagen, R.F.:

- Member, Steering Committee, Arctic Paleoclimate and its EXtremes (APEX)
- Member, Steering Committee, Climate of the Arctic and its Role for Europe (CARE)

### Sommer, U.:

- Chair, Board of Trustees of the Max-Planck-Institute for Limnology, Plön.

### Thetmeyer, H.:

- Member, ICES Working Group on Environmental Interactions of Aquaculture (WGEIM)

### Visbeck, M.:

- Chair, International CLIVAR Atlantic Implementation Panel
- Member, NOAA-OAR/OGP Climate observing system council
- Member, RAPID Steering Group (NERC, UK)
- Member, GEO (Group on Earth Observations) science and technology panel
- German representative IOC working group Advisory Body of Experts on the Law of the Sea
- Steuergruppe BMBF Verbundprojekt Nordatlantik

### Voss, R.:

- Member, GLOBEC SPACC/IOC Study Group on Regional Scale Ecology of Small Pelagic Fish.
- Member, ICES Study Group on Baltic Fish and Fisheries Issues in Support of the Baltic Sea Regional Project.
- Member, ICES Study Group on Multi-species Assessments in the Baltic.
- Member, ICES Study Group on Multi-species Model Implementation in the Baltic.

### Wahl, M.:

- Board of Trustees of Terramare, Wilhelmshaven

### Waller, U.:

- Member, Deutsche Wissenschaftliche Kommission für Meeresforschung (DWK).

### Wallmann, K.:

- Chair, Excellence Cluster "The Future Ocean"

### Wallace, D.W.R.:

- Member, SOLAS International Steering Committee
- Member, Advisory Board, Inst. Baltic Sea Research, Warnemünde
- Member, UK SOLAS Thematic Program Steering Committee
- Theme Leader and Steering Committee Member, CarboOcean EU Integrated Project
- Member, Advisory Board, Hanse Wissenschaftskolleg, Delmenhorst

### Wegner, C.:

- Young Scientist, ICARP II Working Group 6 "Arctic Shelf Seas"

**Weinrebe, W.:**

- Member, Beirat der Deutschen Hydrographischen Gesellschaft

**Willebrand, J.:**

- Convening Lead Author, Intergovernmental Panel on Climate Change (IPCC), Fourth Assessment Report

**Zumholz, K.:**

- Member, ICES Working Group on Cephalopod Life Cycles and Fisheries.

**7.6 Editorial Boards:****Behrmann, J.H.:**

- Member, International Journal of Earth Sciences (Editorial Board)
- Member, Journal of Structural Geology (Editorial Board)

**Böning, C.W.:**

- Ocean Modelling (Associate Editor)

**Devey, C.W.:**

- Editor, Journal of Petrology

**Dullo, W.-Chr.:**

- International Journal of Earth Sciences (Chief Editor)
- Marine Ecology (Associate Editor)
- Facies (Associate Editor)

**Froese, R.:**

- Acta Ichthyologica et Piscatoria (Editorial Board).
- Journal of Applied Ichthyology (Editorial Board).

**Gocke, K.:**

- Anales del Instituto de Investigaciones Marinas de Punta de Betin, Colombia (Editorial Advisor).
- Anales del Instituto de Ciencias del Mar y Limnologia, Mexiko, (Editorial Advisor).
- Revista de Biologica Tropical, Costa Rica, (Editorial Advisor).

**Hanel, R.:**

- Endangered Species Research (Review Editor).

**Hoernle, K.A.:**

- International Journal of Earth Sciences (Editorial Board)
- Geochemistry, Geophysics, Geosystems (G-cubed), Theme Editor

**Hoppe, H.-G.:**

- Aquatic Microbial Ecology, Germany, (Review Editor).
- The Journal of Microbiology, Korea, (Advisory Board).

**Imhoff, J.F.:**

- International Microbiology, (Editorial Board).

**Karstensen, J.:**

- Progress in Oceanography, A view of modern water masses (Guest Editor)

**Kubetzki, U.:**

- Journal of German Bird Conservation Reports (Editor).

**Macke, A.:**

- Meteorologische Zeitschrift (Advisory Board)

**Oschlies, A.:**

- Ocean Dynamics (Editorial Board)
- Ocean Modelling (Editorial Board)

**Piatkowski, U.:**

- Endangered Species Research (Review Editor).

**Editorial Boards**

## Honors & Awards

### Riebesell, U.:

- Biogeosciences, Co-Editor (Editorial Board)
- Faculty of 1000, Section 'Global Change Ecology' (faculty member)

### Schnack, D.:

- Journal of Applied Ichthyology (Editor).

### Schott, F.:

- Deep-sea Research I and II (Associate Editor)

### Sommer, S.:

- Marine Ecology (Editorial Board)

### Sommer, U.:

- Protist (Associate Editor).
- Oecologia (Handling Editor).
- International Review of Hydrobiology (Editorial Board).
- Basic and Applied Ecology (Editorial Board).
- Aquatic Sciences (Editorial Board).

### Spielhagen, R.F.:

- Polar Research (Subject Editor Geosciences)
- Ecological Studies (Springer) (Series Editor).

### Wahl, M.:

- Marine Ecology Progress Series (Editorial Board).
- Marine Biology (Regional Editor)

## 7.7 Honors and Awards

### Hoppe, H.-G.:

- 2007 Lifetime Achievement award in Aquatic Enzymology. School of Natural Resources, Ohio State University.

### Ismar, S.:

- 2006 Nachwuchsförderpreis der ZTS (Zentrum für maritime Technologie und Seefischmarkt GmbH)

### Krug, S.:

- 2006 Nachwuchsförderpreis der ZTS (Zentrum für maritime Technologie und Seefischmarkt GmbH)

### Latif, M.:

- Norbert Gerbier – MUMM International Award

### Lube, G.:

- Gordon-Research Young Scholar's Award of the Queen's College Oxford
- Dissertation summa cum laude
- Alexander-von-Humboldt Fellowship

### Müller, M.N.:

- Young Scientists' Outstanding Poster Paper (YSOPP) Award 2006 at the EGU in Vienna.

### Rumohr, H.:

- Service Award in recognition of his contributions to ICES as Chair of Marine Habitat Committee (MHC) from 2004-2006, Internat. Council for the Exploration of the Sea (ICES)

### Suess, E.:

- Elisabeth-Mann Borgese Award of the State of Schleswig-Holstein.

## 7.8 Patents

no new patents



## 8. Teaching Courses 2006

### 8.1 External teaching courses

**Behrmann, J.:** Geologische Anfängerübungen (3). Fakultät für Chemie, Pharmazie und Geowissenschaften, Albert-Ludwigs-Universität, Freiburg im B., Sommersemester 2006.

**Behrmann, J.:** Seminar: Geologie von Europa (2). Fakultät für Chemie, Pharmazie und Geowissenschaften, Albert-Ludwigs-Universität, Freiburg im B., Sommersemester 2006.

**Behrmann, J.:** Geologischer Kartierkurs im Kristallin. Fakultät für Chemie, Pharmazie und Geowissenschaften, Albert-Ludwigs-Universität, Freiburg im B., 30.05.-09.06.2006.

**Freundt, A.:** Kompaktkurs Physische Vulkanologie mit Geländeübungen. Deutsche Vulkanologische Gesellschaft, Mendig, Osteifel, 25.03.-02.04.2006

**Oschlies, A.:** Climate Changes impacts on marine ecosystems. Eur-Oceans/NATO summer school, Middle East Technical University, Ankara, Turkey, 21.08.-25.08.2006.

### 8.2 Teaching at Christian-Albrechts-Universität zu Kiel

**Please note: This is an extract of the official course listing of the Christian-Albrechts-Universität zu Kiel. IFM-GEOMAR staff in bold.**

W I N T E R - T E R M 2005/2006

#### Physical Oceanography

Introduction to Physical Oceanography I (2)	<i>W.J. Emery</i>
Introduction to Physical Oceanography II (2)	<i>W.J. Emery</i>
Physikalische Ozeanographie I: Physikalische Eigenschaften des Meerwassers (2)	<b>P. Brandt, M. Visbeck</b>
Übungen zur Vorlesung: Physikalische Ozeanographie I: Physikalische Eigenschaften des Meerwassers (2)	<b>P. Brandt, M. Dengler</b>
Proseminar zum Praktikum der Physikalischen Ozeanographie (für Nebenfächler) (1)	<b>J. Karstensen</b>
Praktikum der Physikalischen Ozeanographie (für Nebenfächler)	<b>J. Karstensen</b>
Angewandte Programmierübungen UNIX/Fortran/Matlab (für Nebenfächler) (2)	<b>P. Brandt</b>
Einführung in die Theoretische Ozeanographie und Meteorologie I: Hydrodynamik (2)	<b>M. Latif</b>
Übungen zur Vorlesung: Einführung in die Theoretische Ozeanographie und Meteorologie I: Hydrodynamik (2)	<b>D. Dommenges</b>
Einführung in die Theoretische Ozeanographie und Meteorologie III: Numerische Methoden in Zirkulationsmodellen (2)	<b>C. Böning</b>
Übungen zur Vorlesung: Einführung in die Theoretische Ozeanographie und Meteorologie III: Numerische Methoden in Zirkulationsmodellen (2)	<b>A. Biastoch</b>
Ozeanographie und Klimavariabilität der polaren und subpolaren Regionen (1)	<b>M. Visbeck</b>
Theorie der Turbulenz	<b>C. Eden</b>
Arbeitsgemeinschaft Klimadynamik „Hurrikane: Entwicklung und Variabilität“	<b>M. Latif, M. Visbeck</b>
Seminar für Diplomanden der Physikalischen Ozeanographie (2)	<b>C. Böning, M. Visbeck</b>
Seminar für Doktoranden der Physikalischen Ozeanographie (2)	<b>C. Böning, M. Visbeck</b>
Ozeanographisch-Meteorologisches Seminar (2)	<b>C. Böning, M. Latif, M. Visbeck, A. Macke, D. Dommenges, P. Brandt</b>
Ozeanographisches Seminar für Fortgeschrittene (SFB 460) (2)	<b>C. Böning, A. Körtzinger, M. Latif, A. Macke, A. Macke, D. Wallace</b>

## Meteorology

Einführung in die Meteorologie I (2)	<b>A. Macke</b>
Übungen zur Einführung in die Meteorologie I (2)	<b>K. Krüger</b>
Einführung in die Theoretische Ozeanographie und Meteorologie I: Hydrodynamik (2)	<b>M. Latif</b>
Übungen zur Vorlesung: Einführung in die Theoretische Ozeanographie und Meteorologie I: Hydrodynamik (2)	<b>D. Dommenges</b>
Einführung in die Theoretische Ozeanographie und Meteorologie III: Numerische Methoden in Zirkulationsmodellen (2)	<b>C. Böning</b>
Übungen zur Vorlesung: Einführung in die Theoretische Ozeanographie und Meteorologie III: Numerische Methoden in Zirkulationsmodellen (2)	<b>A. Biastoch</b>
Thermodynamik und Wolkenphysik (2)	<b>A. Macke</b>
Übungen zur Vorlesung: Thermodynamik und Wolkenphysik (2)	<b>H. Mehrtens</b>
Meteorologisches Fortgeschrittenenpraktikum (10)	<b>K. Bumke</b>
Arbeitsgemeinschaft Klimadynamik: Hurrikane: Entwicklung und Variabilität (2)	<b>M. Latif, M. Visbeck</b>
Seminar Wetteranalyse und -prognose ("Wetterbesprechung") (1)	<b>K. Bumke, K. Krüger</b>
Übung zur Wetteranalyse und -prognose (3)	<b>K. Bumke, K. Krüger</b>
Seminar für Diplomanden und Doktoranden der Meteorologie (2)	<b>A. Macke, D. Dommenges, K. Krüger, M. Latif</b>
Anleitung zum wissensch. Arbeiten: Ozean-Atmosphären Wechselwirkung (2)	<b>D. Dommenges</b>
Anleitung zum wissensch. Arbeiten: Strahlungstransport und Fernerkundung (2)	<b>A. Macke</b>
SFB 460 Seminar	<b>C. Böning, A. Körtzinger, M. Latif, A. Macke, A. Macke, D. Wallace</b>
Ozeanographisch-Meteorologisches Seminar (2)	<b>C. Böning, M. Latif, M. Visbeck, A. Macke, D. Dommenges, P. Brandt</b>

## Marine Chemistry

Marine Chemistry I (2)	<b>D.W.R. Wallace</b>
Übungen zur Vorlesung: Marine Chemistry I (1)	<b>H. Bange, P. Croot</b>
Chemical Oceanography (BIO-OCEAN) (6 ECTS)	<b>D.W.R. Wallace</b>
Exercises in Chemical Oceanography (BIOOCEAN) (1)	<b>H. Bange, P. Croot</b>
Klimarelevante Spurengase im Ozean (1)	<b>H. Bange</b>
Biogeochemie ausgewählter Meeresgebiete (2)	<b>A. Körtzinger</b>
Marine Photochemistry (1)	<b>P. Croot</b>
Meereschemisches Praktikum II mit Seminar (4)	<b>P. Croot, H. Bange, A. Körtzinger, A. Eisenhauer, G. Rehder</b>
Seminar des Forschungsbereichs Marine Biogeochemie (2)	<b>U. Riebesell, A. Körtzinger</b>
Anleitung zum selbständigen wissenschaftlichen Arbeiten	<b>A. Körtzinger</b>

## Biological Oceanography and Fisheries Biology<sup>1</sup>

## Teaching Courses

Grundlagen der Ökologie für Meereskundler (2)	<b>U. Sommer</b>
Seminar des Forschungsbereichs Marine Ökologie (2)	<b>U. Sommer, M. Wahl</b>
Seminar des Forschungsbereichs Marine Biogeochemie (2)	<b>A. Körtzinger, U. Riebesell</b>
Introduction to Biological Oceanography and Fishery Biology I (BioOcean) (3)	<b>H.G. Hoppe, J.F. Imhoff, K. Lochte, D. Schnack, U. Sommer, M. Wahl, A. Antia</b>
Übungen zur Vorlesung: Introduction to Biological Oceanography and Fishery Biology I (BioOcean) (1)	<b>H.G. Hoppe, J.F. Imhoff, K. Lochte, D. Schnack, U. Sommer, M. Wahl, A. Antia</b>
Seminar Experimentelle Ökologie (2)	<b>U. Sommer</b>
Seminar zur Benthosökologie (Limnologie und Meeresbiologie) (2)	<b>M. Wahl, M. Zimmer</b>
Biologie fischereilich genutzter Organismen (1)	<b>R. Hanel, U. Piatkowski</b>
Einführung in die biologische Statistik (3)	<b>D. Schnack</b>
Biologische Grundlagen der modernen Aquakultur (2)	<b>R. Hanel</b>
Seminar zur Biologischen Meereskunde und Fischereibiologie (2)	<b>A. Antia, D. Schnack, U. Sommer, R. Hanel, U. Riebesell</b>
Experimentelle Ökologie A: Vom Modell zum Versuch (15)	<b>M. Lenz, M. Wahl, A. Antia</b>
Funktionsmorphologie und Ökologie mariner Wirbelloser (1)	<b>M. Wahl</b>
Experimentelle Ökologie B: Vom Versuch zur Präsentation (4)	<b>M. Wahl</b>
Angewandte Biostatistik (1)	<b>M. Lenz, M. Wahl</b>
Einführung in die Marine Mikrobiologie (1)	<b>J.F. Imhoff</b>
Seminar der Marinen Mikrobiologie (2)	<b>J.F. Imhoff, H.-G. Hoppe</b>
Seminar Molekulare Mikrobiökologie (1)	<b>J.F. Imhoff, J. Söling</b>
Seminar für Diplomanden und Doktoranden (2)	<b>J.F. Imhoff</b>
Gewässermikrobiologische Methoden mit Anwendungsbeispielen aus der marinen Forschung (1)	<b>H.-G. Hoppe</b>
Kolloquium für Diplomanden und Doktoranden der Ornithologie (2)	<b>S. Garthe</b>
Anleitung zu selbständigen wissenschaftlichen Arbeiten	<b>D. Schnack, R. Hanel</b>
Basisveranstaltung für Hauptfächler: Biologisch-Meereskundliches Großpraktikum (16)	<b>R. Hanel, H.-G. Hoppe, J.F. Imhoff, K. Lochte, D. Piepenburg, U. Riebesell, S. Schiel, D. Schnack, U. Sommer, M. Wahl, K. Gocke, G. Kraus, M. Spindler, U. Piatkowski, H. Rumohr, J. Söling, R. Voss, I. Peeken</b>
Basisveranstaltung für Nebenfächler: Biologisch-Meereskundliches Großpraktikum (16) (mit Seminar)	<b>R. Hanel, H.-G. Hoppe, J.F. Imhoff, K. Lochte, D. Piepenburg, S. Schiel, D. Schnack, U. Sommer, M. Wahl, K. Gocke, G. Kraus, K. v. Bröckel, U. Piatkowski, H. Rumohr, J. Söling, R. Voss, A. Antia, U. Kubetzki</b>

## Teaching Courses

Ergänzungsveranstaltung für Nebenfächler  
Biologisch Meereskundliches Großpraktikum  
(mit Seminar), (BioOcean) (8)

**R. Hanel, H.-G. Hoppe,  
J.F. Imhoff, K. Lochte,  
D. Piepenburg, S. Schiel,  
D. Schnack, U. Sommer,  
M. Wahl, K. Gocke,  
G. Kraus, K. v. Bröckel,  
U. Piatkowski,  
H. Rumohr, J. Süling,  
R. Voss, U. Kubetzki**

### Cross-disciplinary Courses

Meereskundliches Kolloquium (2)

**Dozenten der  
Meereskunde**

<sup>1)</sup> Please note that only courses with contributions by IFM-GEOMAR staff are listed.

### Geosciences: Geology, Geophysics, Mineralogy<sup>1</sup>

Forschergruppen Kolloquium "Ocean Gateways" (1)

**R. Schneider und wiss.  
Mitarbeiter**

Geowissenschaftliches Kolloquium (2)

**Dozenten und  
Assistenten**

SFB 574 Seminar

**Dozenten des SFB 574**

### General Geosciences

Seminar Geowissenschaften für Anfänger (1)

**T. John, R. Hackney, D.  
Nürnberg, S. Schmidt**

Geologische Übungen II (Kartenkunde I) (2)

**D. Nürnberg**

Blockkurs Geologische Übungen II (Kartenkunde I) (2)

**C. Devey**

### Geology Advanced Courses

#### General and Historical Geology

Einführung in die Paläozooanologie (2)

**R. Schneider, D.  
Nürnberg**

Magmatismus der Erde mit mikroskopischen Übungen (3)

**T. Hansteen,  
A. Kvassnes**

### Palaeontology

Blockkurs: Foraminiferen im schleswig-holsteinischen Wattenmeer  
(2)

**J. Schönfeld, W. Kuhnt**

### Sedimentology und Palaeo-oceanography

Einführung in die Erdöl- und Erdgasgeologie (2)

**W.-C. Dullo**

Einführung in die Paläoklimamodellierung (2)

**W.-C. Dullo, S. Flögel,  
R. Schneider**

Aktuelle Methoden zur Paläoklimaforschung: Vom Sedimentkern zum  
Klimaverständnis

**D. Nürnberg,  
R. Tiedemann,  
J. Schönfeld**

Foraminiferen-Geochemie: Anwendungen für Paläoumwelt-Rekonstruktionen (1)

**D. Nürnberg**

Seminar: Fortschritte der Karbonatsedimentologie für Doktoranden (2)

**M. Frank, W.-Ch. Dullo**

Seminar: Isotopengeochemie von Spurenmetallen im Meerwasser (2)

**M. Frank, A. Eisenhauer**

### Marine Environmental Geology

Einführung in die marine Geochemie I (2)

**K. Wallmann**

Marine Isotopensysteme

**A. Eisenhauer**

Geologie und Geochemie der Gashydrate (1)

**G. Rehder**

Der marine Methankreislauf und sein Einfluss auf C- und H-Isotopen  
(II) (2)

**G. Rehder**

Grundlagen der Isotopenanalyse und Anwendungen in der Geologie **A. Eisenhauer, M. Frank, G. Rehder**  
(Blockkurs 2-wöchig)

Literatur-Seminar: Marine Umweltgeologie (2)

**A. Eisenhauer, M. Frank,  
K. Wallmann, G. Rehder**

Praktikum: Introduction to Marine Geology (3)

**A. Eisenhauer,  
K. Wallmann,  
P. Linke, D. Nürnberg,  
O. Pfannkuche,  
G. Rehder, T.J. Reston**

### **Excursions**

Petrologische Geländeübung Gran Canaria

**H.-U. Schmicke**

### **Geophysics Advances Courses**

#### **Allgemeine Geophysik**

Seismische Herbestimmung (2)

**I. Grevemeyer**

#### **Applied Geophysics**

Seismic Stratigraphy and Interpretation

**R.J. Reston**

### **Practicals, Seminars and Excursions**

Geophysikalisches Seminar : Subduktionszonen (2)

**R. Hackney,  
I. Grevemeyer**

Seminar: Aktuelle Forschungsthemen in der marinen Geodynamik (2)

**T.J. Reston, H. Kopp**

### **Mineralogy Advances Courses**

Magmatismus der Erde mit mikroskopischen Übungen (3)

**T. Hansteen,  
A. Kvassnes**

### **Petrology-Geo-Chemistry**

Fluid- und Schmelzeinschlüsse in magmatischen Mineralien

**T. Hansteen**

Einführung in die Geochemie der gesteine (2)

**K. Hoernle**

Geochemie magmatischer Systeme Seminar (3)

**K. Hoernle**

Petrologie und Hydrothermalismus der Ozeankruste (3)

**C.W. Devey,  
A. Kvassnes,  
K. Lackschewitz,  
S. Petersen**

Sr-Nd Isotopenanalytik (1)

**K. Hoernle, F. Hauff**

Physische Vulkanologie (2)

**A. Freundt**

<sup>1)</sup> Please note that only courses with contributions by IFM-GEOMAR staff are listed.



**Physical Oceanography**

Meßmethoden in der Physikalischen Ozeanographie (2)	<b>M. Visbeck, P. Brandt, J. Fischer, T.J. Müller, L. Stramma</b>
Proseminar zum Praktikum der Physikalischen Ozeanographie (für Hauptfächler) (1)	<b>J. Karstensen</b>
Praktikum der Physikalischen Ozeanographie (für Hauptfächler) (2)	<b>J. Karstensen</b>
Angewandte Programmierübungen UNIX/Fortran/Matlab (2) (für Hauptfächler)	<b>P. Brand, D. Dommengeset</b>
Proseminar zum Praktikum der Physikalischen Ozeanographie (für Nebenfächler) (1)	<b>J. Karstensen</b>
Praktikum der Physikalischen Ozeanographie (für Nebenfächler) (2)	<b>J. Karstensen</b>
Angewandte Programmierübungen UNIX/Fortran/Matlab (1) (für Nebenfächler)	<b>P. Brandt</b>
Physikalische Ozeanographie II: Ozeanische Zirkulation und Deckschichtprozesse (2) (für Hauptfächler)	<b>M. Visbeck</b>
Übungen zur Vorlesung: II: Ozeanische Zirkulation und Deckschichtprozesse (für Hauptfächler) (2)	<b>P. Brandt, M. Dengler</b>
Vorlesung Physikalische Ozeanographie Strömungen und Deckschichtprozesse (für Nebenfächler) (1)	<b>M. Visbeck</b>
Übungen zur Vorlesung Physikalische Ozeanographie Strömungen und Deckschichtprozesse (für Nebenfächler) (1)	<b>M. Dengler</b>
Aktuelle Fragen der Ozeanmodellierung (2)	<b>C. Böning</b>
Einführung in die Theoretische Ozeanographie IV: Wellen im Ozean (2)	<b>J. Willebrand</b>
Übungen zur Einführung in die Theoretischen Ozeanographie II: Wellen im Ozean (2)	<b>A. Biastoch</b>
Arbeitsgemeinschaft Klimadynamik: Sea level change (2)	<b>M. Latif, M. Visbeck, J. Willebrand</b>
Seminar für Diplomanden der Physikalischen Ozeanographie (2)	<b>C. Böning, J. Willebrand, M. Visbeck</b>
Seminar für Doktoranden der Physikalischen Ozeanographie (2)	<b>C. Böning, J. Willebrand, M. Visbeck</b>
Ozeanographisch-Meteorologisches Seminar: "Die TOGA Dekade"(2)	<b>C. Böning, M. Latif, M. Visbeck, A. Macke, D. Dommengeset, K. Krüger, P. Brandt, J. Willebrand</b>
Ozeanographisches Seminar für Fortgeschrittene (SFB 460) (2)	<b>C. Böning, A. Körtzinger, M. Latif, A. Macke, A. Oschlies, M. Visbeck, D.W.R. Wallace, J. Willebrand</b>

## Meteorology

Einführung in die Meteorologie II (2)  
 Übungen zur Einführung in die Meteorologie II (2)  
 Proseminar zum Instrumentenpraktikum (1)  
 Meteorologisches Instrumentenpraktikum (5)  
 Angewandte Programmierübungen UNIX/Fortran/Matlab  
 (für Hauptfächler) (2)  
 Einführung in die Theoretische Meteorologie II:  
 Atmosphärische Dynamik (2)  
 Übungen zur Einführung in die Theoretischen Meteorologie II:  
 Atmosphärische Dynamik (2)  
 Atmosphärische Strahlung (2)  
 Übungen zur Vorlesung Atmosphärische Strahlung (2)  
 Air-sea Interaction (2)  
 Die Brewer-Dobson Zirkulation: dynamische & chemische Aspekte (1)  
 Arbeitsgemeinschaft Klimadynamik: Sea level change (2)  
 Seminar Wetteranalyse und -prognose ("Wetterbesprechung") (1)  
 Übung zur Wetteranalyse und -prognose (3)  
 Seminar für Diplomanden der Meteorologie (2)  
 Ozeanographisch-Meteorologisches Seminar: Die TOGA Dekade (2)  
 Ozeanographisches Seminar für Fortgeschrittene (SFB 460) (2)  
 Anleitung zu selbständigen wissenschaftlichen Arbeiten:  
 Strahlungstransport und Fernerkundung (2)  
 Anleitung zu selbständigen wissenschaftlichen Arbeiten: Ozean-  
 Atmosphären Wechselwirkung (2)  
 Meteorologisches Praktikum für Fortgeschrittene (auf See) (10)

**K. Krüger**  
**K. Krüger**  
**K. Bumke,**  
**N. Keenlyside**  
**K. Bumke,**  
**N. Keenlyside**  
**P. Brandt,**  
**D. Dommenges**  
**M. Latif**

**D. Dommenges**

**A. Macke**

**A. Macke**

**S. Gulev**

**K. Krüger**

**M. Latif, J. Willebrand,**  
**M. Visbeck**

**K. Bumke, T. Martin**

**K. Bumke, T. Martin**

**M. Latif, A. Macke,**  
**D. Dommenges**

**C. Böning, M. Latif,**  
**M. Visbeck, A. Macke,**  
**D. Dommenges,**  
**P. Brandt**

**C. Böning,**  
**A. Körtzinger, M. Latif,**  
**A. Macke, M. Visbeck,**  
**D.W.R. Wallace,**  
**J. Willebrand**

**A. Macke**

**D. Dommenges**

**K. Bumke, A. Macke**

## Marine Chemistry

Allgemeine Meereschemie II (2)  
 Übungen zur Vorlesung Allgemeine Meereschemie II (1)  
 Der marine Kohlenstoffkreislauf (2)  
 Aktuelle Themen der Meereschemie (1)  
 Doing Science - Design, Analysis and Communication of Scientific  
 Research (1)  
 Trace Metal Speciation and Bioavailability in the Marine Environment  
 (Marine Trace Metals) (2)  
 Marine Photochemistry (2)  
 Modellierung Biogeochemischer Prozesse (2)  
 Meereschemisches Praktikum I und Seminar (4)  
 Meereschemisches Praktikum II und Seminar (4)  
 Seminar des Forschungsbereichs Marine Biogeochemie (2)

**D.W.R. Wallace**

**D.W.R. Wallace,**  
**P. Croot**

**U. Riebesell,**  
**A. Körtzinger**

**D.W.R. Wallace,**  
**A. Körtzinger**

**D.W.R. Wallace,**  
**A. Körtzinger**

**P. Croot**

**P. Croot**

**K. Wallmann,**  
**M. Haeckel**

**H. Bange**

**A. Körtzinger**

**U. Riebesell,**  
**A. Körtzinger**

## Teaching Courses

Stoffkreisläufe im Meer (2)

Anleitung zu selbständigen wissenschaftlichen Arbeiten

**H. Bange, K. Lochte**

**A. Körtzinger,  
D.W.R. Wallace**

### **Biological Oceanography<sup>1</sup>**

Einführung in die Biologische Meereskunde II (3)

**H.-G. Hoppe,  
J.F. Imhoff, U. Sommer,  
K. Lochte, M. Spindler,  
M. Wahl**

Ergänzungsveranstaltung für Hauptfächler: Biologische Meereskunde (10)

**H.-G. Hoppe,  
J.F. Imhoff,  
J. LaRoche, K. Lochte,  
D. Piepenburg,  
U. Riebesell, U. Sommer,  
M. Wahl, K. Gocke,  
H. Rumohr, S. Schiel,  
J. Süling**

Forschungsveranstaltung für Hauptfächler: Biologische Meereskunde (6)

**H.-G. Hoppe,  
J.F. Imhoff, K. Lochte,  
D. Piepenburg,  
U. Riebesell, J. LaRoche,  
M. Wahl, H. Rumohr,  
S. Schiel, J. Süling,  
W. Schramm**

Plankologisch-Meereskundliches Praktikum auf See (2-wöchig)

**K. Lochte**

Praktikum auf See (FS ALKOR) im Rahmen von Bio-Ocean

**K. Lochte**

Seminar des Forschungsbereichs Marine Biogeochemie (2)

**U. Riebesell,  
A. Körtzinger**

Übungen zur Biologischen Meereskunde (2)

**K. Lochte, U. Riebesell,  
A. Antia**

Angewandte Biostatistik (1)

**M. Lenz, M. Wahl**

Seminar Experimentelle Ökologie (1)

**U. Sommer**

Aktuelle Themen aus der Forschung der aquatischen Mikrobiologie (1)

**H.-G. Hoppe**

Ergänzungskurs Molekulare Mikrobenökologie

**J.F. Imhoff, J. Süling**

Experimentelle Ökologie A: Vom Modell zum Versuch (3)

**M. Wahl, M. Lenz**

Experimentelle Ökologie B: Vom Versuch zur Präsentation (4)

**M. Wahl, M. Lenz**

Laufende Arbeiten in der experimentellen Ökologie (1)

**U. Sommer**

Bestimmungsübungen an Meerestieren mit Exkursionen (Ergänzungsveranstaltung) (4)

**H. Gonschior,  
H. Rumohr, M. Wahl**

Ökologie der Hardbodengemeinschaft Helgoland (6)

**K. Bischof, M. Wahl,  
M. Zimmer**

Seminar zur Benthosökologie (Limnologie und Meeresbiologie)

**M. Wahl, M. Zimmer**

Seminar des Forschungsbereichs Marine Biogeochemie (2)

**U. Riebesell,  
A. Körtzinger**

Seminar der Marinen und Molekularen Mikrobiologie (2)

**H.-G. Hoppe,  
J.F. Imhoff**

Seminar Molekulare Mikrobenökologie (2)

**J.F. Imhoff, J. Süling**

<sup>1</sup>) Please note that only courses with contributions by IFM-GEOMAR staff are listed.

## Fisheries Biology<sup>1</sup>

Biologie und Nutzung mariner Fischbestände (2)

Aktuelle Themen aus Fischereibiologie und Aquakultur (1)

Forschungsveranstaltung für Hauptfächler: Fischereibiologie (6)

Ergänzungsveranstaltung für Hauptfächler: Fischereibiologie (10)

Seminar: Faunistik und Ökologie des Mittelmeeres (1)

Seminar zur Fischereibiologie (2)

Spezialkurs Fischökologie und Fischethnologie (3)

Anleitung zu selbständigen wissenschaftlichen Arbeiten

<sup>1)</sup> Please note that only courses with contributions by IFM-GEOMAR staff are listed.

### Cross-disciplinary Courses

Meereswissenschaftliches Kolloquium (2) *Professoren und Dozenten des IFM-GEOMAR*

## Geosciences: Geology, Geophysics, Mineralogy<sup>1</sup>

Geowissenschaftliches Kolloquium (2)

**Dozenten und  
Assistenten**

### General Geosciences

Seminar: Geowissenschaften für Anfänger (1)

*R. Schneider,  
D. Nürnberg, T. Blanz,  
M. Weinelt*

Erdgeschichte: Allgemeine Stratigraphie (2)

**W.-C. Dullo, D. Nürnberg**

Global Change - von Wissenschaft zu Politik (1)

**G. Rehder**

### Geology Advanced Courses

#### General and Historical Geology

SFB 574 Seminar

**Dozenten des SFB 574**

#### Petrology- Geo-Chemistry

Isotopengeochemie und Altersbestimmung (2)

**P. van den Bogaard**

Magmatische Prozesse und Plattentektonik (2)

**K. Hoernle,  
J. Geldmacher**

Petrologie, Geochemie magmatischer Systeme (3)

**K. Hoernle**

Schmelzeinschlüsse in magmatischen Mineralien (2)

**Th. Hansteen**

Pb Isotopenanalytik (4)

**K. Hoernle, F. Hauff**

Physische Vulkanologie (4)

**A. Freundt**

#### Sedimentology and Palaeo-Oceanography

Die Kreide Mitteleuropas (2)

**D. Nürnberg**

Foraminiferen-Geochemie: Anwendungen für Paläoumwelt-Rekonstruktionen (1)

**D. Nürnberg**

Isotopenstratigraphie (3)

**M. Frank**

## Teaching Courses



## Teaching Courses

Seminar IIIa: Karbonatsedimentologie für Diplomanden und Doktoranden (2) **W.-Ch. Dullo, M. Frank**

### Marine Environmental Geology

Einführung in die marine Geochemie II (2)

**K. Wallmann**

Marine Isotopensysteme

**A. Eisenhauer**

Geologie und Geochemie der Gashydrate (1)

**G. Rehder**

Der marine Methankreislauf und sein Einfluss auf C- und H-Isotopen (2)

**G. Rehder**

Modellierung biogeochemischer Prozesse (2)

**K. Wallmann, M. Haeckel**

Radiaktive Ungleichgewichtsmethoden (2)

**A. Eisenhauer**

Seminar Marine Geosysteme (2)

**K. Wallmann**

Literatur-Seminar: Marine Umweltgeologie (2)

**A. Eisenhauer,  
K. Wallmann, G. Rehder,  
M. Frank**

### Excursions

Geologie der Albula Querzone

**W.-C. Dullo**

Petrologische Geländeübung Kanarische Inseln

**H.-U. Schmicke**

<sup>1)</sup> Please note that only courses with contributions by IFM-GEOMAR staff are listed.



## 9. Acronyms

AABW	Antarctic Bottom Water
AAIW	Antarctic Intermediate Water
ACME	Advisory Committee for the Environment
ACSYS	Arctic Climate System Study
ADCP	Acoustic Doppler Current Profiler
AGU	American Geophysical Union
AMAM	Automated nutrient analysis
AMS	American Meteorological Society
AMSU	Advanced Microwave Sounding Unit
ANIMATE	Atlantic Network of Interdisciplinary Moorings and Timeseries for Europe
AQUAWEB	DFG Project (Comparison of marine and limnetic food webs)
ASFA	Aquatic Sciences and Fisheries Abstracts
ASLO	American Society of Limnology and Oceanography
AtlantNIRO	Atlantic Scientific Research Institute of Marine Fisheries and Oceanography, Russia, Kaliningrad, Russia
ATSAF	Arbeitsgruppe für tropische und subtropische Agrarforschung
AUV	Autonomous Underwater Vehicle
AVHRR	Advanced Very High Resolution Radiometer
AWI	Alfred Wegener Institut für Polar- und Meeresforschung, Bremerhaven
BAHC	Biospheric Aspects of the Hydrological Cycle (IGBP)
BALTEX	Baltic Sea Experiment
BASECOEX	Capelin and herring in the Barents Sea - coexistence or exclusion (Norway)
BASIC	Baltic Sea cyanobacteria
BASYS	Baltic Sea System Study
BATS	Bermuda Atlantic Time series Study
BECAUSE	Critical Interactions BETWEEN Species and their Implications for a PreCAUTIONary
BEQUALM	Biological effects quality assurance in monitoring programmes
BfA	Bundesforschungsanstalt für Fischerei
BfN	Bundesamt für Naturschutz
BGR	Bundesanstalt für Geowissenschaften und Rohstoffe
BIO	Bedford Institute for Oceanography
BioCoMBE	The Impact of Biodiversity Changes in Coastal Marine Benthic Ecosystems
BMBF	Bundesministerium für Bildung und Forschung
BMVEL	Bundesministerium für Verbraucherschutz, Ernährung und Landwirtschaft
BSH	Bundesanstalt für Seeschifffahrt und Hydrographie
BSIOM	Baltic Sea Ice Ocean Model
BSR	Bottom-Simulating-Reflector
CACGP	Commission for Atmospheric Chemistry and Global Pollution
CANIGO	CANary Islands Azores Gibraltar Observations
CARINA	Carbon dioxide in the Atlantic Ocean
CAS	Commission on Atmospheric Sciences (WMO)
CAU	Christian-Albrechts-Universität zu Kiel
CAVA	Central American Volcanic Arc
CAVASSOO	Carbon variability studies by ships of opportunity
CCC	Cod and Climate Change
CCCC	Climate Change and Carrying Capacity
CDIAC	Carbon Dioxide Information Analysis Center, Oak Ridge, USA
CEFAS	Centre for Environment, Fisheries and Aquaculture Science, Lowestoft, UK
CFCAS	Canadian Foundation for Climate and Atmospheric Sciences (CDN)
CIESM	Commission internationale pour l'exploration scientifique de la mer Méditerranée, France
CIMAS	Cooperative Institute for Marine and Atmospheric Studies, Miami, USA
CIRAMOSA	Compilation of regional cirrus macro- and microphysical properties
ClIC	Climate and Cryosphere (WCRP)
CLIVAR	Climate Variability and Predictability Programme (WCRP)
CLIWA-Net	Cloud Liquid Water Network (BALTEX)
CMS	Commission on Moving Species
COADS	Comprehensive Ocean-Atmosphere Data Set
CoML	Census of Marine Life
COMWEB	Comparative analysis on coastal planktonic food webs
CORE	Cod recruitment in the Baltic (EU project)
CRIMP	Center of Research on Marine Introduced Pests (Australia)
CSIRO	Commonwealth Scientific & Industrial Research Organisation (Australia)
CTD	Conductivity-Temperature-Depth
DCESS	Danish Centre for Earth System Science
DEKLIM	BMBF Climate Research Programme
DFG	Deutsche Forschungsgemeinschaft
DGHM	Deutsche Gesellschaft für Hygiene und Mikrobiologie
DGL	Deutsche Gesellschaft für Limnologie
DGM	Deutsche Gesellschaft für Meeresforschung
DGP	Deutsche Gesellschaft für Protozoologie
DIFRES	Danish Institute for Fisheries Research, Lyngby, Denmark

## Acronyms

## Acronyms

DIGENIT	Diversität nitratreduzierender Bakterien (BMBF Project)
DIVA	Latitudinal gradients of deep-sea bio <b>DIV</b> ersity in the <b>At</b> lantic ocean
DLR	Deutsche Gesellschaft für Luft- und Raumfahrt
DMG	Deutsche Meteorologische Gesellschaft
DMS	Dimethyl sulphide
DMSP	dimethyl sulfonium propionate
DOMINOE	Dissolved organic matter as a component of ocean ecosystem and carbon cycle
DON	Dissolved organic nitrogen
DPG	Differential Pressure Gauge
DSOW	Denmark Strait Overflow Water
DWBC	Deep Western Boundary Current
DWD	Deutscher Wetterdienst
DWK	Deutsche Wissenschaftliche Kommission für Meeresforschung
DYNAMO	Dynamics of North Atlantic Models
EAS	European Aquaculture Society
EASIZ	Ecology of the Antarctic Sea Ice Zone
ECMWF	European Centre for Medium Range Weather Forecasts
ECOSIM	Ecosystem Simulation
EEA	European Elasmobranch Association
EGU	European Geosciences Union
EIFAC	European Inland Fisheries Advisory Commission
EISENEX	The second iron enrichment experiment
ELOISE	European Land Ocean Interaction Analysis
EMBS	European Marine Biology Symposium
ENBI	European Network of Biodiversity Information
ESONET	European Sea Floor Observatory Network
ESTEC	European Space Research and Technology Centre
ESTOC	European Station for Time-Series in the Ocean Canary Islands
EU	European Union
EUAC	European Union of Aquarium Curators
EUC	Equatorial Undercurrent
EULIT	Effects of eutrophicated seawater on rocky shore ecosystems studied in large littoral mesocosms
EURASLIC	European Association of Aquatic Libraries and Information Centres
FB	Forschungsbereich FiSheries Management in a variable Environment
FLAME	Family of Linked Atlantic Model Experiments
FTZ	Forschungs- und Technologiezentrum der CAU, BÜsum
GAME	Global Approach by Modular Experiments
GBB	Great Bahama Bank
GBIF	Global Biodiversity Information Facility
GeoB	Institut für Geowissenschaften, Univ. Bremen
GEWEX	Global Energy and Water Cycle Experiment
GfÖ	Gesellschaft für Ökologie
GFZ	Geoforschungszentrum Potsdam
GHSZ	Gas Hydrate Stability Zone
GIF	German Israel Foundation
GITEWS	German-Indonesian Tsunami Early Warning System
GKSS	Gesellschaft für Kernenergieverwertung in Schiffbau und Schifffahrt (Forschungszentrum Geesthacht)
GLOBEC	Global Ocean Ecosystems Dynamics
GODAE	Global Ocean Data Assimilation Experiment
GOOS	Global Ocean Observing System
GPI	Geologisch-Paläontologisches Institut
GSF	Forschungszentrum für Umwelt und Gesundheit (BMBF Projektträger)
HELCOM	Helsinki Commission (Baltic Marine Environment Protection Commission)
HERSUR	Herring Survey Programme (EU)
HMW	high molecular weight
HYDROARC	Hydrothermale Prozesse an flach-marinen Vulkanen der Bransfield Strasse
HYFIFLUX	Hydrothermal fluid development, material balancing and special biological activity in the North Fiji Basin
IABO	International Association for Biological Oceanography
IAMAP	International Association of Meteorology and Atmospheric Physics
IAPSO	International Association for the Physical Science of the Oceans
IBM	Individual-based models
ICARP II	International Conference on Arctic Research Planning
ICBM	Institut für Chemie und Biologie des Meeres, Universität Oldenburg
ICBS	International Committee on Systematic Bacteriology
ICCM	Instituto Canario de Ciencias Marinas, Las Palmas, Spain
ICES	International Council for the Exploration of the Seas
ICHCA	International Cargo Handling Co-ordination Association
IEO	Instituto Español de Oceanografía
IfM	Institut für Meereskunde
IFREMER	Institut Français de Recherche pour l'Exploitation de la Mer, Brest, France

## Acronyms

IGBP	International Geosphere-Biosphere Programme
IGOOS	IOC-WMO-UNEP Committee for GOOS
IHF	Institut für Hydrobiologie und Fischereiwissenschaft, Hamburg
IHLS	International Herring Larvae Survey (ICES)
IMO	International Maritime Organization
INTAS	International Association (of EU)
IOC	Intergovernmental Oceanographic Commission
IODP	Integrated Ocean Drilling Program
IOW	Institut für Ostseeforschung, Warnemünde
IPCC	Intergovernmental Panel on Climate Change
IPIMAR	Instituto de Investigação das Pescas e do Mar, Lisboa
IPRC	International Pacific Research Institute, Honolulu, USA
IRCCM	International Research Consortium for Continental Margins
IRONAGES	Iron Resources and Oceanic Nutrients- Advancement of Global Environment Simulations
ISCCP	International Satellite Cloud Climatology Project
IUB	International University Bremen
IUGG	International Union of Geodesy and Geophysics
JGOFS	Joint Global Ocean Flux Study
K.E.R.N.	Technologie Region: Kiel-Eckernförde-Rendsburg-Neumünster e.V.
KAPEX	Cape of Good Hope Experiments
KNMI	Koninklijk Nederlands Meteorologisch Instituut, de Bilt, The Netherlands
LATFRI	Latvian Fisheries Research Institute
LIFECO	Impact of frontal activities on fish recruitment in the North Sea (EU) project)
LIP	Large Igneous Provinces
LOICZ	Land Ocean Interactions in the Coastal Zone (IGBP component)
LSW	Labrador Sea Water
MACOM	Maternal effects on Atlantic cod recruitment and implications for management strategies (EU Project)
MAR	Mid Atlantic Ridge
MARBEF	Marine Biodiversity and Ecosystem Functioning EU Network of Excellence
MARE	Marine Artificial Recirculated Ecosystem
MAR-ECO	Project Patterns and Processes of the Ecosystem of the Northern Mid-Atlantic
MAST	Marine Science and Technology Programme (EU)
MATER	Mediterranean Targeted Project-Mass Transfer and Ecosystem Response
MOC	Meridional Overturning Circulation
MODIS	
MOVE	Meridional Overturning Variability Experiment
MPI	Max-Planck Institut für Meteorologie
MRI	Marine Research Institute, Reykjavik, Iceland
MUNF	Ministerium für Umwelt, Natur und Forsten
NAC	North Atlantic Current
NADW	North Atlantic Deep Water
NAFO	Northwest Atlantic Fisheries Organization
NAO	North Atlantic Oscillation
NATO	North Atlantic Treaty Organization
NBUC	North Brazil Undercurrent
NCAR	National Center for Atmospheric Research, Boulder, USA
NCEP	National Center for Environmental Prediction (NOAA)
NERC	National Environmental Research Council
NIOZ	Royal Netherlands Institute for Sea Research, The Netherlands
NOAA	National Ocean Atmosphere Administration
NOAA	National Oceanic and Atmospheric Administration
NOC	National Oceanography Centre, Southampton, UK
NOCES	Northern Ocean-Atmosphere Carbon Exchange Study
NOPEX	Northern Hemisphere Climate-Processes Land-Surface Experiment (BAHC comp.)
NOW	Nederlandse Organisatie Voor Wetenschappelijk Onderzoek (Netherlands Organisation for Scientific Research)
NSERC	National Science and Engineering Research Council (CDN)
NSF	National Science Foundation (US)
OBH	Ocean Bottom Hydrophones
OBIS	Ocean Biogeographic Information System
OBS	Ocean-Bottom-Seismometers
OBU	Ocean-Bottom-Unit
OCTOPUS	Ocean Tomography Operational Package and Utilization Support
ODP	Ocean Drilling Program
OMEX	Ocean Margin Exchange
OPAC	Online Public Access Catalogue
OPRAN	Surface Ocean Processes in the Anthropocene
ORNL	Oak Ridge National Laboratory, Oak Ridge, USA
OSPAR	Convention for the Protection of the Marine Environment of the North-East Atlantic (Oslo-Paris)
PAH	Polycyclic Aromatic Hydrocarbons
PARS	Precision and accuracy of tools in recruitment studies (Eu-Project)

## Acronyms

PCB	Polychlorinated biphenyl
PCR	Polymerasekettenreaktion
PDF	Probability Density Function
PEP	Pilot Study of Evaporation and Precipitation (BALTEX)
PESCA	Fisheries Programme (EU)
PIK	Potsdam Institute für Klimafolgenforschung, Potsdam
PJTT	Paleo-JGOFS Task Team
POC	Particulate Organic Carbon
POGO	Partnership for Observations of the Global Oceans
POLMARF	Polish Marine Fishery Science Center
PON	Particulate Organic Nitrogen
PR	Public Relations
PTJ	Projekträger Jülich (BMBF)
QUEEN	Quaternary Environment of the Eurasian North, PAGES component
RAFOS	Profiling Float
RD	Research Division
RECONN	Resolving Trophodynamic Consequences of Climate Change
RIVO	Nederlands Instituut voor Visserijonderzoek, Ijmuiden, The Netherlands
ROV	Remotely Operated Vehicle
RSMAS	Rosenstiel School of Marine and Atmospheric Sciences, Miami, USA
RSP	Red Sea Programme
SAB	Scientific Advisory Board
SAP	Sustainable Fisheries: Assessment and Prediction (EU project)
SCAR	Scientific Committee on Antarctic Research
SCOR	Scientific Committee on Oceanic Research
SDN	Schutzgemeinschaft Deutsche Nordseeküste
SETAC	Society of Environmental Toxicology and Chemistry
SFB	Sonderforschungsbereich
SGMSNS	Study Group on Multispecies Assessments in the North Sea
SIL	Societas Internationalis Limnologiae
SimCoast	Interdisciplinary methodologies for the sustainable use and management coastal resource systems: EU and ASEAN Coastal transect applications (EU Project)
SIO	Scripps Institution of Oceanography, La Jolla, USA
SMHI	Swedish Meteorological and Hydrological Institute
SOC	Southampton Oceanography Centre, UK
SOIREE	Southern Ocean Iron RElease Experiment
SOLAS	Surface Ocean Lower Atmosphere Study
SOMARE	Sampling, Observations & Modelling of Atlantic Regional Ecosystems
SPACC	Small Pelagic Fishes and Climate Changes
SPP	Special Priority Program (DFG)
SRON	Netherlands Institute for Space Research
SSB	spawning stock biomass
STC	Shallow Subtropical Cell
STORE	Fish stock recruitment in the Baltic (EU project)
SV	Sverdrup ( $10^6 \text{ km}^3/\text{s}$ )
TAR	Third Assessment Report (IPCC)
TAV	Tropical Atlantic Variability
TEWS	Tsunamis Early Warning System
TLC / TLZ	Technology and Logistic Center (Technik- und Logistik Zentrum)
TOPP	Tagging of Pacific Pelagics
TTO	Transient Tracers in the Ocean
UBA	Umweltbundesamt
VAAM	Vereinigung für Allgemeine und Angewandte Mikrobiologie e.V.
VOS	Voluntary Observing Ships
VW	Volkswagen
WAS	World Aquaculture Society
WCRP	World Climate Research Programme
WDC-MARE	World Data Center for Marine Environmental Data
WGEIM	Working Group on Environmental Interactions of Aquaculture
WGL	Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz
WGNE	Working Group on Numerical Experimentation
WGOMD	Working Group on Ocean Modelling Development
WHOI	Woods Hole Oceanographic Institution, Woods Hole, USA
WMO	World Meteorological Organization
WOCE	World Ocean Circulation Experiment
WTZ	Wissenschaftl.-Technische Zusammenarbeit (BMBF)
XBT	Expendable Bathythermograph
ZMK	Zentrum für Meeres- und Klimaforschung der Universität Hamburg
ZUFO	Zentrum für Umweltforschung